INTERNATIONAL CONFERENCE ON ENVIRONMENTAL, CULTURAL, SOCIAL, AND ECONOMIC SUSTAINABILITY

UNIVERSITY OF SPLIT
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WWW.ONSUSTAINABILITY.COM
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Dear Sustainability Delegates,

The Sustainability knowledge community is an international conference, a cross-disciplinary scholarly journal, a book imprint and an online knowledge community which, together, set out to describe, analyze and interpret the role of Sustainability. These media are intended to provide spaces for careful, scholarly reflection and open dialogue. The bases of this endeavour are cross-disciplinary. The community is brought together by a common concern for sustainability in an holistic perspective, where environmental, cultural, economic and social concerns intersect.

In addition to organizing the Sustainability Conference, Common Ground publishes papers from the conference at http://onsustainability.com/publications/journal. We do encourage all conference participants to submit a paper based on their conference presentation for peer review and possible publication in the journal. We also publish books at http://onsustainability.com/publications/books in both print and electronic formats. We would like to invite conference participants to develop publishing proposals for original works, or for edited collections of papers drawn from the journal which address an identified theme. Finally, please join our online conversation by subscribing to our monthly email newsletter, and subscribe to our Facebook, RSS, or Twitter feeds at http://onsustainability.com.

Common Ground also organizes conferences and publishes journals in other areas of critical intellectual human concern, including diversity, museums, technology, humanities and the arts, to name several (see http://commongroundpublishing.com). Our aim is to create new forms of knowledge community, where people meet in person and also remain connected virtually, making the most of the potentials for access using digital media. We are also committed to creating a more accessible, open and reliable peer review process. Alongside opportunities for well-known academics, we are creating new publication openings for academics from developing countries, for emerging scholars and for researchers from institutions that have historically focused on teaching.

We are also proud to announce the launch of Scholar, created in an association between Common Ground and the University of Illinois. If the social glue that holds together Facebook is ‘friends’ and the stickiness of Twitter is having ‘followers’, then the common bond created in Scholar is ‘peers’ working together in knowledge producing communities. We call this a ‘social knowledge’ space. Not only can you join the Sustainability community in Scholar. You can also create your own knowledge communities and use Scholar as a learning space, with a strong focus on peer-to-peer dialogue and structured feedback. For more information, visit www.cgscholar.com

Thank you to everyone who has prepared for this conference including our co-organizers and supporters, The Faculty of Medicine at the University of Split. A personal thank you and acknowledgement goes to Aleksandar Jakir, Jelena Mrkonjic, Ivan Pavić and everyone at the University of Split who helped organize this year’s conference. I’d also like to thank my Common Ground colleagues who have put such a significant amount of work into this conference: Caitlin Edwards, Amareswar Galla, and Izabel Szary. And we hope you will be able to join us at next year’s conference, co-hosted by the University of Huddersfield, 21-23 January 2015, at the Scandic Copenhagen, in Copenhagen, Denmark.

We wish you all the best for this conference, and hope it will provide you every opportunity for dialogue with colleagues from around the corner and around the world.

Yours Sincerely,

Phillip Kalantzis-Cope
Director, Common Ground Publishing
Dear Sustainability Delegates,

Framing of the Sustainable Development Goals (SDGs) is reaching to a feverish pitch in 2014 at both the Inter-Governmental and the Non-Governmental levels. The Rio+20 outcome document, The Future We Want, called for a transparent intergovernmental process in the drafting of the SDGs and the post-2015 Development Agenda that is inclusive and open to all stakeholders. The 68th session of the UN General Assembly will open this year on 24th September with a summary of global deliberations. It will contain a proposal for the SDGs providing the axiomatic principles governing the post-2015 Development Agenda.

Your national governments will have the critical role to play through the UN high-level forum that is intergovernmental and universal in character. It will guide the post-2015 Development Agenda through:

- political leadership, guidance and recommendations for sustainable development,
- follow-up and review progress in the implementation of sustainable development commitments,
- enhancement of the integration of the three dimensions of sustainable development, and
- a focused, dynamic and action-oriented agenda, ensuring the appropriate consideration of new and emerging sustainable development challenges.

Our International Knowledge Community on Environmental, Cultural, Economic and Social Sustainability (four dimensions and inclusive) has been providing academic leadership informing the framing of the post-2015 Development Agenda. Many of our members have been active researchers, evaluators and advocates generating new modalities and scenarios for effective and efficient future action in the spirit of the UN Secretary General's statement at the opening of Rio +20 that 'More of the same will not do'.

In reflecting on our endeavours over the past ten years, I found that our Knowledge Community wants an embedded and explicitly holistic four dimensional approach in the post-2015 Development Agenda taking into consideration the following:

- finding new modalities for valuing sustainable development;
- developing accountable and ethical frameworks for evidence-based measures for civil society participation and stakeholder benefits;
- fostering new models promoting participatory democracy and social inclusion;
- ensuring conceptual clarity, equity and capacity building in mainstreaming gender;
- creating meaningful spaces for the leadership of young people in all endeavours;
- promoting local knowledge systems in environmental conservation;
- developing productive partnerships among public and private sectors with an emphasis on ethical investment; and
- encouraging creativity to alleviate poverty and promote economic and cultural empowerment.

I take this opportunity to thank the hosts this conference: Professor Aleksandar Jakir, Dean, Faculty of Philosophy and Professor Ivan Pavić, Rector, University of Split and Ivo Baldasar, the Mayor of Split.

I wish you all the best for productive discussions in the next three days. I will provide an update on the post-2015 Development Agenda so that when we meet next in a year’s time in Copenhagen, our Knowledge Community will provide one of the first think tanks on the SDGs.

Yours Sincerely,

Professor Dr. Amareswar Galla
Chairperson of the International Advisory Board and Editor, The International Knowledge Community on Environmental, Cultural, Economic and Social Sustainability; Executive Director, International Institute for the Inclusive Museum, Denmark/India.
COMMON GROUND

ABOUT COMMON GROUND

Our Mission
Common Ground Publishing aims to enable all people to participate in creating collaborative knowledge and to share that knowledge with the greater world. Through our academic conferences, peer-reviewed journals and books, and innovative software, we build transformative knowledge communities and provide platforms for meaningful interactions across diverse media.

Our Message
Heritage knowledge systems are characterized by vertical separations—of discipline, professional association, institution, and country. Common Ground identifies some of the pivotal ideas and challenges of our time and builds knowledge communities that cut horizontally across legacy knowledge structures. Sustainability, diversity, learning, the future of the humanities, the nature of interdisciplinarity, the place of the arts in society, technology’s connections with knowledge, the changing role of the university—these are deeply important questions of our time which require interdisciplinary thinking, global conversations, and cross-institutional intellectual collaborations. Common Ground is a meeting place for these conversations, shared spaces in which differences can meet and safely connect—differences of perspective, experience, knowledge base, methodology, geographical or cultural origins, and institutional affiliation. We strive to create the places of intellectual interaction and imagination that our future deserves.

Our Media
Common Ground creates and supports knowledge communities through a number of mechanisms and media. Annual conferences are held around the world to connect the global (the international delegates) with the local (academics, practitioners, and community leaders from the host community). Conference sessions include as many ways of speaking as possible to encourage each and every participant to engage, interact, and contribute. The journals and book series offer fully-refereed academic outlets for formalized knowledge, developed through innovative approaches to the processes of submission, peer review, and production. The knowledge community also maintains an online presence—through presentations on our YouTube channel, monthly email newsletters, as well as Facebook and Twitter feeds. And Common Ground’s own software, Scholar, offers a path-breaking platform for online discussions and networking, as well as for creating, reviewing, and disseminating text and multi-media works.
THE ON SUSTAINABILITY KNOWLEDGE COMMUNITY

The On Sustainability knowledge community is dedicated to the concept of independent, peer-led groups of scholars, researchers, and practitioners working together to build bodies of academic knowledge related to topics of critical importance to society at large. Focusing on the intersection of academia and social impact, the On Sustainability knowledge community brings an interdisciplinary, international perspective to discussions of new developments in the field, including research, practice, policy, and teaching.

Themes

Environmental Sustainability
- The science and technology of environmental sustainability
- Ecosystemics
- Sustainable agriculture
- Urbanization and its consequences
- Ecological footprints and ecospaces
- Atmosphere and biosphere: global warming, the ozone layer, pollution
- Energy: renewable and not
- Water: sources and uses
- Land and sea, mountain and savannah, desert and wet zones, forests and coasts: variable impacts on varied environments
- Biological diversity: its past and prospects
- Biotechnology and its critics
- Danger signs: rising sea levels, desertification, soil degradation

Sustainability Policy and Practice
- The politics of sustainability
- Global sustainability policies
- National sustainability policies and initiatives
- Sustainability in local government
- Corporate sustainability initiatives
- Community and NGO sustainability initiatives
- Measuring impacts: environmental assessment
- Bioethics
- Nature as intellectual and physical property
- Civic pluralism: multiculturalism and cultural sustainability
- Cultural and political liberalization: challenges and dangers
- The arts and creativity as a resource for sustainability
- Structures of ownership: private property, public property and the commons
- Good citizenship in fragile environments, cultures, economies, societies
- Levels of governance: interactions of sustainability initiatives at local, regional, national, and international levels
- Domains of responsibility: NGOs, corporations, persons
- The sources of sustainable innovation
- Planning for sustainability
- Capacity building in theory and practice
- Sustainability and community participation
- Managing ‘human resources’
Sustainability in Economic, Social and Cultural Context

- One, two, three, four, how many ‘bottom lines’?
- The meaning of cultural sustainability and sustainable heritage development
- Belonging and identity: their environmental, economic and social significance
- Changing patterns and cultures of consumption
- Cosmopolis: local cultures, globalization, diaspora
- Women and men, children and the elderly, families and sustainability
- Cultural dimensions of childbearing and population growth
- Cultural tourism
- Indigenous knowledge and traditional practices of sustainability: broadening
- the scope of valid knowledge
- The economics of environment, culture and society
- What is economic value?
- Cultural, social and environmental capital
- The economics of sustainability
- Needs, wants and demand: reconfiguring the economic equation
- Business cases: the cost and value of sustainability
- Risks and risk management: where economy meets environment, culture and society
- Free trade and fair trade
- Global flows: finance, trade, technology transfer and debt
- Sustainable aid and aid for sustainability
- The dynamics of production and consumption
- Accountability: beyond financial years and bottom lines
- Measuring performance and reporting sustainability
- Organizations and corporations: defining the stakeholders and meeting their interests
- Development, underdevelopment and sustainability
- Tourism and its impacts
- Sustainable and unsustainable transportation
- Wellbeing and quality of life: sources and strategies
- Gender and sustainability
- Poverty and its eradication
- Health in its environmental, cultural, economic and social contexts
- Population growth and its consequences
- Wastes and waste management
- Urbanization and the sustainability of human settlement

Sustainability Education

- Environmental education in a time of ecosystemic crisis
- Teaching and learning sustainability: schools, universities, communities
- The media, public awareness and community education on sustainability
- Education sustaining language and culture
- Public knowledge: the role of the media and government
- Natural and social sciences: taking an holistic view
- Researching sustainability
- Knowledge capacities: developing sustainability science and technology locally
Scope and Concerns

Our times call for interdisciplinary and holistic approaches to the relation of humans with the environment. As the challenges to our human and planetary existence become less capable of being addressed by purely personal, corporate, local or short term solutions, so too, narrowness of thinking will no longer suffice. Of course, we should continue to pursue careful, finely grained, locally nuanced and deeply grounded knowledge and social practices of sustainability. Such perspectives are, if anything, more critical than ever. But increasingly these need also to be situated in the context of longer, broader and deeper views.

Four Fundamentals – Constitute a Fourfold ‘Bottom Line’ for Sustainability

Environment
Nature is a dynamic thing in and of itself, and sometimes convulsively so. Humans are its beneficiaries and at times its victims. They are also increasingly agents, interacting in and with natural processes. Over several millennia, the human species has become one of the forces of nature, a critical part of its destiny, and ever more so today and tomorrow. Perhaps even, the human species may be a catalyst in another convulsion in the course of natural history. As nature more and more becomes an object of human artifice, its prospects move to the forefront of human consciousness. ‘What have we done with nature?’ we may well ask ourselves. What have been the forms and effects of our interventions? What are the implications of our newfound species-role as a force of nature, and what the responsibilities that accompany this role? How can we create a viable home for ourselves alongside the other lifeforms of the planet?

Culture
This is the stuff of our human natures, our subjectivities, our shared meanings and our memories. Culture is the glue of similarity (‘identity’, literally) that grounds our sociability. It is also a matter of difference or cultures in the plural, the multilayered combinations of which forms persons in the plural: ways of seeing, ways of thinking, ways of meaning, ways of relating to each other, ways of connecting with nature. The challenge of culture is as much to forge a productive diversity for the human species (ethnos, gender, ecosystems) as it is to nurture the sources of cohesion and commonality.

Economy
Here we consider the dynamics of our material life, where in our social relations and using our tools we mix our energies with the natural world to meet our human needs. The challenge is to create economic systems which are environmentally viable, not destroying or damaging our life sources as natural beings. Such systems also need to be culturally viable, not harming our identities and ultimately what is humane in our natures. And they need to be socially viable, not creating destructive tensions and unsustainable injustices around axes of inequality of access to material and social resources.

Society
To these perspectives we need to add our systems of regulation, governance and resource distribution. What allows for all our participation as autonomous yet social beings? What makes for good citizenship? How do we create, manage and propagate knowledge? How do we ensure justice? How do we integrate the four fundamentals of environment, culture, economy and society so we can address our human futures and live to the full our human potentials?

This knowledge community attempts to locate what is experienced here and now in the context of longer, broader and deeper views of the four fundamentals of sustainability.

Longer Views
On a length dimension, we may wish to question the now-ness of our interests and actions: organizations which measure performance in solely in terms financial years; consumers who measure wellbeing in terms of instant gratification; and communities which compromise future generations by satisfying their wants in the present. Of course, we need to live in the here and now, but that living is limited if it is purely for the here and the now and so prejudices environment, culture, economy or society in the longer view.

Broader Views
On a breadth dimension, we may need to question the here-ness of our interests and actions: acting locally without thinking globally; living personally without knowing politically; living in our cultures but sensitive to the diversity of others; operating to narrow economic or social goals without taking into account their ecosystemic sources and effects.

Deeper Views
On a depth dimension, we may question the this-ness of our interests: what we feel in our everyday lifeworlds in relation to deep and less immediately tangible social, economic and ecological structures; our individual and corporate motivations in relation to human and ecological values; monetary value in relation to human value; the hidden hand of personal self-interest as opposed to the conscious hand of good governance, responsible citizenship and the values of caring for nature and each other.
This knowledge community provides a forum for discussion of the connections between environment, culture, economy and society. The perspectives presented range from big picture analyses which address global and universal concerns, to detailed case studies which speak of localized applications of the principles and practices of sustainability. Conference presentations and publications traverse a broad terrain, sometimes technically and other times socially oriented, sometimes theoretical and other times practical in their perspective, and sometimes reflecting dispassionate analysis whilst at other times suggesting interested strategies for action.

Community Membership

Annual membership to the On Sustainability community is included in your conference registration. As a community member, you have access to a broad range of tools and resources to use in your own work: electronic access to the full journal and book collections; a full Scholar account, offering an innovative online space for collaborative learning in your classes or for broader collaborative interaction with colleagues (within a research project or across the globe); and annual conferences where you can present your work and engage in extensive interactions with others with similar interests who also bring different perspectives. And you can contribute to the development and formalization of the ideas and works of others—as a journal or book reviewer, as a conference participant, and as a contributor to the newsletters and community dialogue.

Membership Benefits

- Personal electronic subscription to the complete journal collection for one year after the conference (all past and current issues).
- Personal electronic subscription to the book series for one year after the conference.
- One article submission per year for peer review and possible publication in any of the journals in the collection.
- Participation as a reviewer in the peer review process and the potential to be listed as an Associate Editor of the journal after reviewing three or more articles.
- Subscription to the monthly community email newsletter, containing news and information for and from the knowledge community.
- Ability to add a video presentation to the community YouTube channel, whether or not it was presented in person at the conference or is published in the journal.
- Access to the Scholar “social knowledge” platform: free use of Scholar as your personal profile and publication portfolio page, as a place to interact with peers and forms communities that avoids the clutter and commercialism of other social media, with optional feeds to Facebook and Twitter.
- Use Scholar in your classes—for class interactions in its Community space, multimodal student writing in its Creator space, and managing student peer review, assessment, and sharing of published students’ works in its Publisher space. Contact us to request Publisher permissions for Scholar.

Engaging in the Community

Present and Participate in the Conference

You have already begun your engagement in the community by attending the conference, presenting your work, and interacting face-to-face with other members. We hope this experience provides a valuable source of feedback for your current work and the possible seeds for future individual and collaborative projects, as well as the start of a conversation with community colleagues that will continue well into the future.

Publish Journal Articles or Books

We encourage you to submit an article for review and possible publication in On Sustainability. In this way, you may share the finished outcome of your presentation with other participants and members of the On Sustainability community. As a member of the community, you will also be invited to review others’ work and contribute to the development of the community knowledge base as an Associate Editor. As part of your active membership in the community, you also have online access to the complete works (current and previous volumes) of On Sustainability and to the book series. We also invite you to consider submitting a proposal for the book series.

Engage through Social Media

There are several methods for ongoing communication and networking with community colleagues:

- Email Newsletters: Published monthly, these contain information on the conference and publishing, along with news of interest to the community. Contribute news or links with a subject line ‘Email Newsletter Suggestion’ to support@onsustainability.com.
- Scholar: Common Ground’s path-breaking platform that connects academic peers from around the world in a space that is modulated for serious discourse and the presentation of knowledge works. To learn more about Scholar, go to page 59.
- Facebook: Comment on current news, view photos from the conference, and take advantage of special benefits for community members at: http://www.facebook.com/OnSustainability.CG
- Twitter: Follow the community: @onsustainability.
- YouTube Channel: View online presentations or contribute your own at http://www.youtube.com/user/CGPublishing. See instructions at http://onsustainability.com/the-conference/types-of-conference-sessions/online-presentations.
THE INTERNATIONAL ADVISORY BOARD FOR THE ON SUSTAINABILITY COMMUNITY

- **Dang Van Bai**, Ministry of Culture and Information, Vietnam
- **Michael Cameron**, University of Waikato, Hamilton, New Zealand
- **Richard M. Clugston**, University Leaders for a Sustainable Future, Washington, D.C., USA
- **John Dryzek**, Australian National University, Canberra, Australia
- **Robyn Eckersley**, University of Melbourne, Melbourne, Australia
- **Steven Engelsman**, Rijksmuseum voor Volkenkunde, Leiden, The Netherlands
- **John Fien**, RMIT University, Melbourne, Australia.
- **Professor Dr. Amareswar Galla**, Executive Director, International Institute for the Inclusive Museum, Denmark & India; Director, Centre for Inclusive Museum Studies, Department of Cross Cultural and Regional Studies, Faculty of Humanities, University of Copenhagen, Denmark; and former Vice President, ICOM, Paris
- **Suzanne Grant**, University of Waikato, Hamilton, New Zealand
- **Steve Hamnett**, University of South Australia, Adelaide, Australia
- **Charles Hopkins**, UNESCO Chair, Reorienting Teacher Education to Address Sustainability, York University, Toronto, Canada
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- **Peter Phipps**, RMIT University, Melbourne, Australia
- **Behzad Sodagar**, University of Lincoln, Brayford Pool, United Kingdom.
- **Judy Spokes**, Cultural Development Network, Melbourne, Australia
- **Manfred Steger**, Illinois State University, Normal, USA; RMIT University, Melbourne, Australia
- **Spencer S. Stober**, Alvernia University, USA
- **Douglas Worts**, LEAD Fellow (Leadership for Environment and Development), Toronto, Canada
- **David Wood**, University of Waterloo, Waterloo, Canada
- **Lyuba Zarsky**, RMIT University, Melbourne, Australia; Tufts University, Medford, USA
THE SUSTAINABILITY COLLECTION AND BOOK SERIES

About Our Publishing Approach

For three decades, Common Ground Publishing has been committed to creating meeting places for people and ideas. With 24 knowledge communities, Common Ground’s vision is to provide platforms that bring together individuals of varied geographical, institutional, and cultural origins in spaces where renowned academic minds and public thought leaders can connect across fields of study. Each knowledge community organizes an annual academic conference and is associated with a peer-reviewed journal (or journal collection), a book imprint, and a social media space centered around Common Ground’s path-breaking ‘social knowledge’ space, Scholar.

Through its publishing practices, Common Ground aims to foster the highest standards in intellectual excellence. We are highly critical of the serious deficiencies in today’s academic journal system, including the legacy structures and exclusive networks that restrict the visibility of emerging scholars and researchers in developing countries, as well as the unsustainable costs and inefficiencies associated with traditional commercial publishing.

In order to combat these shortcomings, Common Ground has developed an innovative publishing model. Each of Common Ground’s knowledge communities organizes an annual academic conference. The registration fee that conference participants pay in order to attend or present at these conferences enables them to submit an article to the associated journal at no additional cost. Scholars who cannot attend the conference in-person may still participate virtually and submit to the journal by obtaining a community membership, which also allows them to upload a video presentation to the community’s YouTube channel. By using a portion of the conference registration and membership fees to underwrite the costs associated with producing and marketing the journals, Common Ground is able to keep subscription prices low, thus guaranteeing greater access to our content. All conference participants and community members are also granted a one-year complimentary electronic subscription to the journal associated with their knowledge community. This subscription provides access to both the current and past volumes of the journal. Moreover, each article that we publish is available for a $5 download fee to non-subscribers, and authors have the choice of publishing their paper open access to reach the widest possible audience and ensure the broadest access possible.

Common Ground’s rigorous peer review process also seeks to address some of the biases inherent in traditional academic publishing models. Our pool of reviewers draws on authors who have recently submitted to the journal, as well as volunteer reviewers whose CVs and academic experience have been evaluated by Common Ground’s editorial team. Reviewers are assigned to articles based on their academic interests and expertise. By enlisting volunteers and other prospective authors as peer reviewers, Common Ground avoids the drawbacks of relying on a single editor’s professional network, which can often create a small group of gatekeepers who get to decide who and what gets published. Instead, Common Ground harnesses the enthusiasm of its conference delegates and prospective journal authors to assess submissions using a criterion-referenced evaluation system that is at once more democratic and more intellectually rigorous than other models. Common Ground also recognizes the important work of peer reviewers by acknowledging them as Associate Editors of the volumes to which they contribute.

For over ten years, Common Ground has been building web-based publishing and social knowledge software where people can work closely to collaborate, create knowledge, and learn. The third and most recent iteration of this project is the innovative social knowledge environment, Scholar. Through the creation of this software, Common Ground has sought to tackle what it sees as changing technological, economic, distributional, geographic, interdisciplinary and social relations to knowledge. For more information about this change and what it means for academic publishing, refer to The Future of the Academic Journal, edited by Bill Cope and Angus Phillips (Elsevier 2009).

We hope that you will join us in creating dialogues between different perspectives, experiences, knowledge bases, and methodologies through interactions at the conference, conversations online, and as fully realized, peer-reviewed journal articles and books.
The Sustainability Collection

Themed Journals:

- The International Journal of Environmental Sustainability - ISSN: 2325-1077 (print), 2325-1085 (online)
- The International Journal of Sustainability Policy and Practice - ISSN: 2325-1166 (print), 2325-1182 (online)
- The International Journal of Sustainability Education - ISSN: 2325-1212 (print), 2325-1220 (online)
- The International Journal of Sustainability in Economic, Social and Cultural Context - ISSN: 2325-1115 (print), 2325-114X (online)

Annual Review:

- The International Journal of Environmental, Cultural, Economic, and Social Sustainability: Annual Review - ISSN: 1832-2077

Collection Editor

Amareswar Galla - Executive Director, International Institute for the Inclusive Museum, Hyderabad & Sydney; Chairperson, ICOM Cross Cultural Task Force, Paris, France

Publication Frequency

Themed journals publish 4 issues per volume; the annual review journal publishes once annually. Articles across the collection are published continuously online.

Indexing

The journals in the Sustainability Collection are indexed by:

- Scopus
- Genamics
- Cabell's
- The Australian Research Council (Annual Review only)

Acceptance Rate

29%

Circulation

625,223

Foundation Year

2005
INTERNATIONAL AWARD FOR EXCELLENCE

The Sustainability Collection presents an annual International Award for Excellence for new research or thinking. All articles submitted for publication in the collection are entered into consideration for this award. The review committee for the award is selected from the International Advisory Board for the collection and the annual Sustainability Conference. The committee selects the winning article from the ten highest-ranked articles emerging from the review process and according to the selection criteria outlined in the reviewer guidelines. The remaining nine top papers will be featured on our website.

This Year’s Award Winners are:
Neus (Snowy) Evans, James Cook University, Australia
Michelle Lasen, James Cook University, Australia
Komla Tsey, James Cook University, Australia

For the Article:
“A Systematic Search of Trends in Rural Development Research: Type of Research, Originating Regions and Engagement with Sustainability”

Abstract
This systematic search investigates trends relating to quantity and content of research output over the last three decades in rural development research to assess whether the field is growing in a manner that reflects research and policy priorities and wider social trends related to sustainability. Three databases were searched to identify relevant articles in the English language. Publications were classified into measurement, intervention or descriptive categories and analysed to explore the theme of sustainability. Findings reveal that descriptive research has dominated the rural development field since the 1980s. Research output has shifted from developing to developed regions. The proportion of publications linked to sustainability increased significantly, and the majority of sustainability interventions employed processes of engaging the community and wider stakeholders. The authors consider possible application for learning that can be derived from the systematic search process by highlighting four points relevant to policy makers, practitioners and funding bodies in the field.
SUBMISSION PROCESS

Every conference delegate with an accepted proposal is eligible and invited to submit an article to the Sustainability Collection. Full articles can be submitted using Common Ground’s online conference and article management system CGPublisher. Below please find step-by-step instructions on the submission process.

1. Submit a presentation proposal to the conference. The theme that you select when you submit your paper will help determine which thematically focused journal will consider your article for publication.

2. Once your conference proposal or paper abstract has been accepted, you may submit your article to the collection by clicking “add a paper” from your proposal/abstract page. You may upload your article anytime between the first and the final submission deadlines, which can be found on the next page.

3. Once your article is received, it is verified against template and submission requirements. Your identity and contact details are then removed, and the article is matched to two appropriate reviewers and sent for review. You can view the status of your article at any time by logging into your CGPublisher account at www.CGPublisher.com.

4. When reviewer reports are uploaded, you will be notified by email and provided with a link to view the reports (after the reviewers’ identities have been removed).

5. If your article has been accepted, you will be asked to accept the Publishing Agreement and submit a final copy of your article. If your paper is accepted with revisions, you will be asked to submit a change note with your final submission, explaining how you revised your article in light of the reviewers’ comments. If your article is rejected, you may resubmit it once, with a detailed change note, for review by new reviewers.

6. Accepted articles will be typeset and the proofs will be sent to you for approval before publication.

7. Individual articles may be published online first with a full citation. Full issues follow at regular, quarterly intervals. All issues are published 4 times per volume (except the annual review, which is published once per volume).

8. Registered conference participants will be given online access to the collection from the time of registration until one year after the conference end date. Individual articles are available for purchase from the journal’s bookstore. Authors and peer reviewers may order hard copies of full issues at a discounted rate.

SUBMISSION TIMELINE

You may submit your final article for publication to the journal at any time throughout the year. The submission timeline for the Volume 10 is as follows:

- Submission Round 1 – 30 March, 2014
- Submission Round 2 – 30 June, 2014
- Submission Round 3 – 30 September, 2014
- Submission Round 4 (final) – 30 December, 2014

Note: If your article is submitted after the final deadline for Volume 10, it will be considered for Volume 11. However, the sooner you submit, the sooner your article will begin the peer review process. Also, as we publish ‘web first’, early submission means that your article will be published with a full citation as soon as it is ready, even if that is before the full issue is published.

For More Information, Please Visit:

http://onsustainability.com/submitting-your-work/journal-articles/submission-process
JOURNAL SUBSCRIPTIONS, OPEN ACCESS, ADDITIONAL SERVICES

Institutional Subscriptions
Common Ground offers print and electronic subscriptions to all of its journals. Subscriptions are available to the full Sustainability Collection, individual journals within the collection, and to custom suites based on a given institution’s unique content needs. Subscription prices are based on a tiered scale that corresponds to the full-time enrollment (FTE) of the subscribing institution. You may download the Library Recommendation form from our website to recommend that your institution subscribe to the Sustainability Collection: http://onsustainability.com/publications/journal/about-the-journal#3-tab.

Personal Subscriptions
As part of their conference registration, all conference participants (both virtual and in-person) have a one-year online subscription to the Sustainability Collection. This complimentary personal subscription grants access to both the current volume of the collection as well as the entire backlist. The period of complimentary access begins at the time of registration and ends one year after the close of the conference. After that time, delegates may purchase a personal subscription. To view articles, go to http://ijs.cgpublisher.com/. Select the “Login” option and provide a CGPublisher username and password. Then, select an article and download the PDF. For lost or forgotten login details, select “forgot your login” to request a new password.

For more information, please visit:
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Common Ground’s open access charge is $250 per article, a very reasonable price compared to our hybrid open access competitors and purely open access journals that are resourced with an author publication fee. Electronic papers are normally only available through individual or institutional subscriptions or for purchase at $5 per article. However, if you choose to make your article Open Access, this means that anyone on the web may download it for free.

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Institutional Open Access allows faculty and graduate students to submit articles to Common Ground journals for unrestricted open access publication. These articles will be freely and publicly available to the whole world through our hybrid open access infrastructure. With Institutional Open Access, instead of the author paying a per-article open access fee, institutions pay a set annual fee that entitles their students and faculty to publish a given number of open access articles each year.

The rights to the articles remain with the subscribing institution. Both the author and the institution can also share the final typeset version of the article in any place they wish, including institutional repositories, personal websites, and privately or publicly accessible course materials. We support the highest Sherpa/Romeo access level—Green.

For more information on Institutional Open Access or to put us in touch with your department head or funding body, please contact us at support@commongroundpublishing.com.
Common Ground offers editing services for authors who would like to have their work professionally copyedited. These services are available to all scholarly authors, whether or not they plan to submit their edited article to a Common Ground journal.

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Books should be between 30,000 and 150,000 words in length. They are published simultaneously in print and electronic formats and are available through Amazon and as Kindle editions. To publish a book, please send us a proposal including:

- Title
- Author(s)/editor(s)
- Draft back-cover blurb
- Author bio note(s)
- Table of contents
- Intended audience and significance of contribution
- Sample chapters or complete manuscript
- Manuscript submission date

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As part of our commitment to intellectual excellence and a rigorous review process, Common Ground sends book manuscripts that have received initial editorial approval to peer reviewers to further evaluate and provide constructive feedback. The comments and guidance that these reviewers supply is invaluable to our authors and an essential part of the publication process.

Common Ground recognizes the important role of reviewers by acknowledging book reviewers as members of the On Sustainability Book Imprint Editorial Review Board for a period of at least one year. The list of members of the Editorial Review Board will be posted on our website.

If you would like to review book manuscripts, please send an email to books@commongroundpublishing.com with:

- A brief description of your professional credentials
- A list of your areas of interest and expertise
- A copy of your CV with current contact details

If we feel that you are qualified and we require refereeing for manuscripts within your purview, we will contact you.
THE ON SUSTAINABILITY BOOK SERIES

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Nature-centered Leadership: An Aspirational Narrative
Spencer S. Stober, Tracey L. Brown, and Sean J. Cullen (eds.)

Nature-centered Leadership is a book for those who aspire to reflect on their relationship with Nature while influencing others to do the same. Nature-centered leadership is not a category of leadership style per se—it is a process by which we build an aspirational narrative with others for a more sustainable future. Several leadership styles are considered, but Nature-centered leaders are primarily transformational in that they strive to build a shared vision for environmental protection. This book introduces Nature-centered visionaries who have demonstrated that it is possible to influence the way humans view and act with Nature.

The Sustainability Practitioner’s Guide to Multi-Regional Input-Output Analysis
Joy Murray and Manfred Lenxen (eds)

This is a primer on multi-regional input-output (MRIO) analysis. Like The Sustainability Practitioner’s Guide to Input-Output Analysis it is written in non-technical language specifically for the non-expert sustainability practitioner. This work has been written by the world’s leading experts on MRIO. It provides descriptions of seven major MRIO tools as well as case studies illustrating their application. It includes chapters on the role of MRIO analysis in global governance showing how the power and elegance of MRIO can bring new dimensions to policy making.

Unbraided Lines: Essays in Environmental Thinking and Writing
John Ryan

Unbraided Lines offers a foray into environmental writing—an emerging literary genre that engages the current ecological crisis through poetry, creative non-fiction and other textual forms. This work foregrounds the ways in which environmental writing intersects with contemporary intellectual, social, and creative movements concerned with ecological justice.
Recent Books Published by Common Ground
These and other books are available at http://theuniversitypressbooks.cgpublisher.com/

Models of Indigenous Development
Ian Skelton and Octavio Ixtacuy López (eds.)

Around the world today Indigenous peoples strive to maintain their cultures and improve their living conditions. They do this in face of the legacies of colonial pasts and the forces of globalization that tend to induce their marginalization and impoverishment. In this book, the authors analyze development experiences aimed at enhancing the self-reliance of Indigenous communities.

Gender-linked Variation across Languages
Yousif Elhindi and Theresa McGarry (eds.)

As we advance our understanding of locally constructed masculinities and femininities, these questions impel the studies brought together in this volume, which investigate Maori, Japanese, Hebrew, Tamil, Chinese, Korean, English, Arabic, Sinhala, and Ekegusii. Written for scholars of linguistics, this collection illustrates the current state of understanding of the interaction of language and social gender, and it suggests directions for future research.
Conference Principles and Features

The structure of the conference is based on four core principles that pervade all aspects of the knowledge community:

International

This conference travels around the world to provide opportunities for delegates to see and experience different countries and locations. But more importantly, the Sustainability conference offers a tangible and meaningful opportunity to engage with scholars from a diversity of cultures and perspectives. This year, delegates from over 30 countries are in attendance, offering a unique and unparalleled opportunity to engage directly with colleagues from all corners of the globe.

Interdisciplinary

Unlike association conferences attended by delegates with similar backgrounds and specialties, this conference brings together researchers, practitioners, and scholars from a wide range of disciplines who have a shared interest in the themes and concerns of this community. As a result, topics are broached from a variety of perspectives, interdisciplinary methods are applauded, and mutual respect and collaboration are encouraged.

Inclusive

Anyone whose scholarly work is sound and relevant is welcome to participate in this community and conference, regardless of discipline, culture, institution, or career path. Whether an emeritus professor, graduate student, researcher, teacher, policymaker, practitioner, or administrator, your work and your voice can contribute to the collective body of knowledge that is created and shared by this community.

Interactive

To take full advantage of the rich diversity of cultures, backgrounds, and perspectives represented at the conference, there must be ample opportunities to speak, listen, engage, and interact. A variety of session formats, from more to less structured, are offered throughout the conference to provide these opportunities.

Session Descriptions

Plenary Sessions

Plenary speakers, chosen from among the world’s leading thinkers, offer formal presentations on topics of broad interest to the community and conference delegation. One or more speakers are scheduled into a plenary session, most often the first session of the day. As a general rule, there are no questions or discussion during these sessions. Instead, plenary speakers answer questions and participate in informal, extended discussions during their Garden Sessions.

Garden Sessions

Garden Sessions are informal, unstructured sessions that allow delegates a chance to meet plenary speakers and talk with them at length about the issues arising from their presentation. When the venue and weather allow, we try to arrange for a circle of chairs to be placed outdoors.

Talking Circles

Held on the first day of the conference, Talking Circles offer an early opportunity to meet other delegates with similar interests and concerns. Delegates self-select into groups based on broad thematic areas and then engage in extended discussion about the issues and concerns they feel are of utmost importance to that segment of the community. Questions like “Who are we?”, “What is our common ground?”, “What are the current challenges facing society in this area?”, “What challenges do we face in constructing knowledge and effecting meaningful change in this area?” may guide the conversation. When possible, a second Talking Circle is held on the final day of the conference, for the original group to reconvene and discuss changes in their perspectives and understandings as a result of the conference experience. Reports from the Talking Circles provide a framework for the delegates’ final discussions during the Closing Session.
Paper Presentations

Paper presentations are grouped by general themes or topics into sessions comprised of three or four presentations followed by group discussion. Each presenter in the session makes a formal twenty-minute presentation of their work; Q&A and group discussion follow after all have presented. Session Chairs introduce the speakers, keep time on the presentations, and facilitate the discussion. Each presenter’s formal, written paper will be available to participants if accepted to the journal.

Colloquium

Colloquium sessions are organized by a group of colleagues who wish to present various dimensions of a project or perspectives on an issue. Four or five short formal presentations are followed by commentary and/or group discussion. A single article or multiple articles may be submitted to the journal based on the content of a colloquium session.

Workshop/Interactive Session

Workshop sessions involve extensive interaction between presenters and participants around an idea or hands-on experience of a practice. These sessions may also take the form of a crafted panel, staged conversation, dialogue or debate – all involving substantial interaction with the audience. A single article (jointly authored, if appropriate) may be submitted to the journal based on a workshop session.

Poster Sessions

Poster sessions present preliminary results of works in progress or projects that lend themselves to visual displays and representations. These sessions allow for engagement in informal discussions about the work with interested delegates throughout the session.

Virtual Presentations

If unable to attend the conference in person, an author may choose to submit a virtual presentation. Opportunities and formats vary but may be a presentation through our YouTube channel or an online discussion with interested delegates at the conference. Abstracts of these presentations are included in the online “session descriptions,” and an article may be submitted to the journal for peer review and possible publication, according to the same standards and criteria as all other journal submissions.
CONFERENCE PROGRAM AND SCHEDULE
DAILY SCHEDULE

Wednesday, 22, January

08:00 Conference Registration Desk Open

09:00–09:30 Conference Opening—Phillip Kalantzis-Cope, Common Ground Publishing, United States
Prof. Amareeswar Galla, Institute of the Inclusive Museum, Denmark and India
Prof. Ivan Pavić, Rector, University of Split, Croatia Professor
Prof. Aleksandar Jakir, Dean, Faculty of Philosophy in Split, Croatia
Zlatko Zevrnja, Split-Dalmatia County Head, Split, Croatia
Sinisa Kuko, Head of the Department of Culture, Arts and Historic City Core, City of Split, Croatia

09:30–10:00 Cultural Performance
Folk Dance Ensemble "Dalmacija", Dugi Rat, Croatia
Presentation of Ivo Pervan’s Photography: Dalmatian Cultural and Natural Heritage
Men’s Choir “Brodosplit,” Split, Croatia

10:00–10:30 Plenary Session—Jacob Christian Salvig, Naturama and Fjord & Bælt, Denmark

10:30–11:00 Break & Garden Session

11:00–11:45 Talking Circles

11:45–13:45 Lunch (Lunch will be held at the conference hotel, The Radission Blu)

13:45–15:00 Parallel Session 1

15:00–15:15 Break

15:15–16:55 Parallel Session 2

17:45–18:45 Welcome Reception and Book Launch at The Radission Blu
Partially sponsored by the City of Split and the Split-Dalmatia County

Thursday, 23, January

08:00 Conference Registration Desk Open

09:00–09:30 Publishing Session—Caitlin Brooks, Common Ground Publishing, USA

09:30–10:00 Plenary Session—Amareeswar Galla, Institute of the Inclusive Museum, Denmark & India

10:00–10:30 Break & Garden Session

10:30–12:10 Parallel Session 3

12:10–13:45 Lunch (Lunch will be held at the conference hotel, The Radission Blu)

13:45–14:30 Talking Circles

14:30–14:40 Break

14:40–16:20 Parallel Sessions 4

Friday, 24, January

08:30 Conference Registration Desk Open

09:00–10:15 Parallel Session 5

10:15–10:25 Break

10:25–11:40 Parallel Session 6

11:45–12:15 Closing Session—Phillip Kalantzis-Cope, Common Ground Publishing, United States, Amareeswar Galla, Institute of the Inclusive Museum, Denmark & India
CONFERENCE HIGHLIGHTS

Featured Sessions

**Publishing Your Article or Book with Common Ground**

**Thursday, 23 January: 9:00-9:30**

*Publishing Representative*, Caitlin Brooks, Common Ground Publishing, United States

**Description:** In this session a representative from CG Publishing will present and discuss *The International Journal of Environmental, Cultural, Economic, and Social Sustainability Collection* and *The On Sustainability Book Series*. She will present an overview of Common Ground's publishing philosophy and practices. She will also offer tips for turning conference papers into journal articles, present an overview of journal publishing procedures, introduce The On Sustainability Book Series, and provide information on Common Ground's book proposal submission process. Please feel free to bring questions—the second half of the session will be devoted to Q & A.

Special Events

**Tour: Split – UNESCO Site & Medieval Treasures**

**Tuesday 21 January: 9:00-12:00**

**Description:** Enjoy a tour of Croatia's second largest city and the world-famous site where Emperor Diocletian built his famous retirement palace around 298AD, now a UNESCO World Heritage Site. The palace is still home to more than 3,000 people, and offers an amazing tapestry of almost two thousand years of history. Your expert local guide will take you through the palace where you will visit the most interesting sites.

**Reception & Book Launch**

**Wednesday 22 January: 17:45-18:45**

**Description:** The Sustainability Conference and Common Ground Publishing is pleased to launch the book *Nature-centered Leadership: An Aspirational Narrative* by Spencer S. Stober, Tracey L. Brown, and Sean J. Cullen at the conference reception being held at the Radisson Blu Conference Hotel. Please join your colleagues for drinks, light hors d'oeuvres, a chance to connect and converse, and to celebrate the release of *Nature-centered Leadership*.

**Cultural Excursion: Evening Village Party**

**Thursday 23 January: 17:30-22:30**

**Description:** Enjoy a visit to a Dalmatian village, an unforgettable experience – return to the past through storytelling and entertainment! Your cordial hosts will welcome you in the pleasant atmosphere of their homes built in the traditional architecture. Accompanied by Dalmatian music, you will be served with traditional Dalmatian specialties made of fresh, home-grown ingredients. You will have an opportunity to taste Dalmatian smoked ham, cheese and roast meat with potatoes cooked under the bell (“peka”). You can, then, wash it down with excellent wine that will help you feel at home. Feel and enjoy aromas and sounds of village life in the Zagora hinterland, arrive as a guest and leave as a friend! The excursion includes transportation, dinner and music!

**Tour: Trogir – The Oldest City on the Adriatic Coast**

**Friday 24 January: 13:30-17:30**

**Description:** Take a trip through history and visit Trogir, a small picturesque town with a lot of secrets situated on a lovely island by the Adriatic Sea. Registered as a World Heritage site by UNESCO in 1997, come learn about its unique heritage. Adore the beautiful masterpieces of famous sculptors such as the magnificent Cathedral’s portal of the master Radovan and the relief’s of the master Niccolò di Giovanni Fiorentino.
Delegates must be wearing their conference name badge in order to enter the lunch.
PLENARY SPEAKERS

Amareswar Galla

Chairperson, Sustainability Knowledge Community and a champion of cultural democracy, UN Millennium Development Goals and safeguarding all forms of heritage, Amareswar Galla is an alumnus of the Jawaharlal Nehru University, New Delhi. He is the founding Executive Director of the International Institute for the Inclusive Museum, Copenhagen & Hyderabad. His latest book World Heritage: Benefits Beyond Borders, Cambridge University Press & UNESCO Publishing, 2012, is the flagship project of the 40th Anniversary of the 1972 UNESCO World Heritage Convention. He is currently working on the establishment of the international center of excellence in Inclusive Museum Studies at the University of Copenhagen. He was Professor of Museum Studies, University of Queensland, Brisbane and Professor and Director of Sustainable Heritage Development Programs, Australian National University, Canberra. During 1994 - 99 he was the International Technical Adviser for the transformation of Arts Councils, National Museums and the National Parks Board (now SAN Parks) in post-apartheid South Africa. He was an expert adviser to the UN World Commission for Culture and Development. He worked on the implementation of Museums and Cultural Diversity Promotion at the National Museum of Ethnology, Leiden, Netherlands. His work, listed as best practice in the 2009 World Culture Report by UNESCO, includes the establishment of World Heritage Areas as culture in poverty alleviation projects - Ha Long Bay and Hoi An, Vietnam and Darjeeling Himalayan Railway, India. He has been honored internationally on several occasions including Outstanding Conservationist of the Year Award by the Vietnamese government in 2002 and the European Best in Heritage Award in 2008. ICOM Australia conferred the 2012 Individual achievement award for excellence for Amar’s extensive and on-going commitment to museums, sustainable development and poverty alleviation through culture: http://icom.org.au/site/activitiesiaaair2012.php Amar spends half his time building community grounded museums with his graduate students in low economic indicator countries. His enduring commitment to inclusive heritage development informs his community engagement, professional achievements and keynote addresses worldwide. As the 2nd and 3rd Editor-in-Chief of the International Journal of Intangible Heritage he provided seminal leadership for firmly establishing the journal as a quality assured scholarly journal that is inclusive and representative with emphasis on cultural and linguistic diversity of the world. Email. director@inclusivemuseum.org; Web. www.inclusivemuseum.org

Ivan Pavić

Ivan Pavić graduated in 1973, obtained his Master’s degree in 1976 and Doctor’s degree in 1992 at the Faculty of Economics and Business, University of Zagreb. Upon graduation, he spent three years working in the field of economy. In 1976 he was employed at the Faculty of Economics, University of Split, where he is still working. Acting as Teaching Assistant, Assistant Professor, Associate and Full Professor at his faculty he taught various subjects focused on the study of enterprises, and for the last twenty years he has been teaching Microeconomics. Besides teaching at his faculty, he worked as Visiting Professor at many other universities. He published number of scientific and professional papers, among which special attention should be drawn to textbooks Organisation and Economy of Production (1982), Production Management (1996), Salary Management (1996) and Microeconomics (2006), (2008.). He was Project Manager and Project Associate at many research projects and coordinator of two Tempus projects (Development of Economics and Business Education at Faculty of Economics and Master’s Degree in European Integration in Croatia). Besides active scientific work and teaching, he acted as Vice Dean (1992-1996) and Dean (1996-2000) of the Faculty of Economics in Split, Vice Rector (2000-2002) and Rector (since 2002) of the University of Split. In 2007 he was awarded the medal for special merits in science (Red Danice hrvatske s likom Runera Boškovića). His hobbies are skiing and tennis.
Jacob Christian Salvig

Jacob Christian Salvig is the Director of Naturama and Fjord & Bælt with more than 20 years of research track record in wildlife biology and extensive experience in developing educational exhibitions based on field research, environmental management and nature rehabilitation. With his passion for sustainability he took over the management of the former Svendborg Zoologiske Museum and through innovative thinking and appropriate business development, he completely redeveloped the institution. Introducing the new concept of drama and performance in environmental education, he modernized the way of engaging with education for sustainability and nature conservation. Naturama was created in Funen, Denmark. It is an impressive framework using new technology and multimedia for teaching natural history presented in a way that was, and still is, unusual for environmental conservation institutions. In the new architectonic frames, modern natural history is presented using impressive lightning, dramatic films, sounds, music and pictures. A visit to Naturama is a unique experience rousing the guests’ senses in the world of the animals. Apart from being a conservation science centre and a tourist attraction, Naturama is acknowledged by all levels of school institutions – from kinder gardens to universities – as a highly competent learning and science institution. In January 2013 Naturama merged with another tourist attraction and learning center called Fjord&Bælt, situated also in Funen, Denmark. This paved the way for relaunching and developing yet another new concept for Naturama with an even closer link to the educational institutions in the entire region of southern Denmark. The merge of the two institutions is also expected to be the foundation of an even stronger concept which will position it among the top environmental attractions in Denmark. Apart from running Naturama/Fjord&Bælt, He is a member of several boards, groups, and committees, most of them related to the management and strategic development of environment education and responsible tourist attractions. He is a passionate advocate of environmental sustainability.
GRADUATE SCHOLARS

Ryanorlie Abeledo
Ryanorlie Abeledo is a multimedia artist based in Manila, Philippines. He is an educator and creative consultant specializing in the fields of design and audio-visual communication. He has taught classes and seminars at the University of the Philippines Diliman, De La Salle University Manila, and is currently the Chairperson of the Multimedia Arts Department of iACADEMY in Makati City. He earned his Bachelor of Arts in Film and Audio-Visual Communication (cum laude) at the University of the Philippines Diliman, and is pursuing his Master of Fine Arts from the same university. His artworks and research often revolve around issues on identity, technology, the environment, and indigenous peoples.

Daria Akimenko
Daria Akimenko is a practicing interior and landscape designer from Russia, currently based in Finnish Lapland. She holds a Master's degree in Environmental Design from Ural State Academy of Architecture and Arts (Ekaterinburg, Russia). In 2012 she started her doctoral research in the field of sustainability and design activism at the University of Lapland. Her research aims to join practical and academic knowledge in attempt to create a change. She is motivated to base her findings on active fieldwork and to engage community in the process of problem-solving. Her interests ranges from research to design, visual arts and media.

Nir Barak
Nir Barak is a PhD. Candidate at the department of political science at the Hebrew University of Jerusalem. He specializes in environmental political theory; his research is focused on the manifestation of ecologism in the urban environment and its political implications. This research regards the following theoretical gap: ecological thinkers address the essential relationship between man and ‘wild’ nature, and call for radical changes in our political and social lives; however, today most people live in cities without a direct affinity to ‘wild’ nature. The research is an attempt to abridge this gap and to rethink radical ecology in the context of a built urban environment. Additional research interests include political philosophy, metaphysics and critical theory.

Tracey L. Brown
Tracey L. Brown is pursuing a Doctorate of Philosophy in Leadership Studies with a specialization in Educational Leadership at Alvernia University (Reading, PA, USA) where she also works as a Graduate Assistant to the Institutional Review Board. She received her Bachelor of Arts in Psychology and her Master of Arts in Counseling Psychology from Rosemont College in 2003 where she won the Alumni Association Scholastic Excellence Award. Her research interests include leadership in higher education, psychology, and sustainability. She recently co-authored a book entitled Nature-Centered Leadership: An Aspirational Narrative, which encourages readers to consider how established leadership theories may be used to create a more sustainable future. She is a Senior Lecturer of Psychology at Montgomery County Community College (Blue Bell, PA, USA). She is a member of the Academy of Criminal Justice Sciences and the International Leadership Association. She is also a member of Delta Epsilon Sigma the national scholastic honor society for Catholic colleges and universities, as well as Alpha Epsilon Lamda the academic excellence and leadership honor society of graduate and professional school students. Upon completion of her degree, she intends to continue her career in academia.

Chona Camille E. Vince Cruz
Chona Camille E. Vince Cruz is a researcher that seeks to improve environmental practices in the Philippines by acquiring a better understanding of the physical and social environment of her country. She holds a Masters in Environment and Natural Resource Management and a Bachelor of Science in Molecular Biology and Biotechnology from the University of the Philippines. She is currently teaching and finishing her PhD in Biology at the De La Salle University where she practices her advocacy of improving environmental education of the youth while doing research on the population genetics of S. serrata (the king mud crab) to help in the development of better management policies for this important marine resource.
Sean J. Cullen

Sean J. Cullen is currently pursuing a Doctorate of Philosophy in Leadership Studies with a specialization in Corporate Leadership at Alvernia University (Reading, PA, USA) where he also works as a Research Assistant for the Ph.D. Department. He is a member of the International Leadership Association, the Robert Greenleaf Center for Servant Leadership, the Mid-Atlantic Popular and American Culture Association, and the International English Honor Society, Sigma Tau Delta. In 2011 he won an award for Academic Excellence and Civic Engagement in part for his work on developing a documentary short and a five-year strategic plan for a barrio located in the Santo Domingo, Dominican Republic. He recently co-authored Nature-Centered Leadership: An Aspirational Narrative, which is a book for those who aspire to reflect on their relationship with Nature while influencing others to do the same.

Shira Dickler

Shira Dickler is currently completing her Master’s degree in Geography and Environmental Development at Ben-Gurion University of the Negev. Originally from the United States, she earned her Bachelor of Arts in Government and Politics at the University of Maryland before moving to Israel in 2009. As a researcher in the Sustainability and Environmental Policy Laboratory for the past three years, she has undertaken several projects aiming to evaluate the global environmental impact of a single country’s food supply system. She is passionate about creating a nexus between her academic work and informal education to spread awareness about conscious consumerism. While pursuing her degrees, she has engaged the public in numerous educational and fundraising programs designed to promote sustainable practices and support at-risk populations worldwide.

Marcus Ogwu Edino

Marcus Ogwu Edino is a research fellow in Environmental Security at Colgate University New York USA. He holds a PhD and MSc from Glasgow Caledonian University UK. He was a recipient of the sustainability graduate scholar award at the 8th Sustainability conference in Vancouver Canada 2012 as well as a teaching excellence award from the Glasgow Caledonian University in the same year. He (a scholar of Nigeria’s Petroleum Technology Development Fund) won the Valpak prize for the best graduating MSc student in Energy and Environmental Management at the same institution in 2008. Prior to this, he obtained his MTech in Geography with Environmental Pollution and Waste Management from the Federal University of Technology, Minna, and BSc in Geography from the University of Jos, Nigeria. He was named one of the 30 most outstanding black students in Britain in 2010. In 2011, he was a regional runner up in the British Council’s International Student of the year award (SHINE). His research interests include: environmental security; environmental and social sustainability; environment, health and safety; environmental and social justice; natural resources and sustainability, poverty and development, climate change, community development, African studies, peace and conflict studies. Marcus currently teaches Environmental Security, Population analysis, as well as sustainability and natural resources. His hobbies include soccer, drumming, tree planting, charity-work, telling stories to children (especially African folktales) and baby-sitting.

Savitri Jetoo

Savitri Jetoo is a full time graduate student in the Doctor of Philosophy Program in Civil Engineering at McMaster University in Ontario, Canada. She hails from the Land of Many Waters, formally known as Guyana, in South America. This explains her interest in water which was further fueled by the contrasting experience of living in the water scarce Australia during her undergraduate studies in Chemical Engineering at the University of Queensland, in Brisbane. She has worked on numerous water projects, including water treatment interventions, water utility strategic planning and water quality monitoring. She is excited to explore a more global perspective on the water crisis under the science-policy lens of the Water Without Borders program at McMaster and the UNU-INWEH. Her research interests include household water treatment, science-policy bridge, Great Lakes nearshore governance, stressors to the nearshore areas of the Great Lakes, Great Lakes Futures, water governance solutions and water, sanitation and hygiene. When she is not pursuing academic interests, she enjoys traveling, biking and exploring the scenic waterfalls and natural jaunts in Hamilton.

Narayan Prasad Khanal

Narayan Prasad Khanal has just recently completed Ph D degree in Rural Economics from Graduate School for International Development and Cooperation, Hiroshima University, Japan. He obtained his Bachelor and Masters’ degree in Agricultural science from Tribhuvan University, Nepal. He has seven years of experience in designing, implementing and evaluating more than a dozen of action research and development projects related to rural livelihoods, environmental cooperation and sustainable development, in partnership with research and development agencies. He has keen interests in research activities related to sustainable development/sustainability.
Alex Opoku

Alex Opoku completed his PhD early this year in Construction Management from the University of Salford. His PhD research was on “Leadership and the promotion of sustainability practices in UK construction organizations”. He graduated from Nottingham Trent University with an honors degree in Building Management in 2005 and a Master’s degree in Quantity Surveying Commercial Management from the Leeds Metropolitan University in 2008. He is currently a Senior Lecturer in Quantity Surveying at the Department of Built Environment, London South Bank University. Prior to joining the London South Bank University, he worked as Research Associate at the Centre for Sustainable Development in the Department of Engineering, University of Cambridge. His current research interests include leadership and sustainability in construction, sustainable procurement in construction, sustainable housing, organizational learning in construction and construction cost management.

Ioan Mihangel Parry

Ioan Mihangel Parry is a PhD student from the Centre for Energy and Power Management at the University of Central Lancashire, Preston, UK. Having commenced his PhD in 2012, he is a multi-disciplinary researcher looking at the social priorities of different community groups in Anglesey, north Wales, in order to understand Social Sustainability from a community perspective. The research aims to improve local decision-making processes, in the context of large energy infrastructure developments, by utilizing locally-informed sustainability indicators. His other research interests include public perceptions of energy developments and energy-related risk, sustainable development at the local level and sustainable construction. He is also a STEM Ambassador for Wales and a fluent Welsh speaker.

Marin Spetić

Marin Spetić lives in Split Croatia. He is has been a sociology student in the research department at the University of Split since 2011. He has since conducted three unpublished research projects and two evaluation research projects. One evaluation project was based on a series of environmental education projects and the other based in the sociology of music. His final work is titled ‘Water Footprint of an individual - The Hidden Dimension of Sustainability,’ Additionally he has been volunteering for ten years with the League for prevention of drug abuse (leader within project EMA), Split - Healthy City (leader within project Petra), Scout Club *Marjan* (troop leader), Marine Scout Club *Posejdon* (chief scout leader, designer and evaluator of series of project for non-formal environmental education Water, Sea and Clean EYE). He has also been chosen as a Vice President of the European Youth Parliament for Water and the World Youth Parliament for Water and served as a guest speaker at Green Week of the EC. He has previously attended the Sixth World Water Forum as well as the Budapest Water Summit.

Lina Yamashita

Lina Yamashita is currently a second-year PhD student in Science and Agriculture Education at the University of California, Davis. She has a particular interest in using the food system to explore as well as deepen students’ and teachers’ understandings of sustainability. In the future, she hopes to develop educational programs for students and teachers that use real-world examples of sustainability and its challenges and complexities from communities around the world. Prior to coming to UC Davis, she worked at Primary Source, an educational non-profit organization based in Boston, Massachusetts, that offers professional development programs to K-12 educators to deepen their understanding of the world. As program coordinator, she launched Primary Source’s first seminar series on human-environment connections and sustainability. She has a Master’s degree in education from the Harvard Graduate School of Education and a Bachelor’s degree in biology and environmental studies from Oberlin College. She also lived in Japan, Singapore, and the Philippines before coming to the United States in 2004 and has traveled extensively around East and Southeast Asia. Her international experiences have shaped her commitment to integrate cross-cultural understanding with education for sustainability.
SCHEDULE OF SESSIONS

Wednesday

08:00

REGISTRATION DESK OPEN

09:00-09:30

CONFERENCE OPENING

Phillip Kalantzis-Cope, Common Ground Publishing, United States
Prof. Amareswar Galla, Institute of the Inclusive Museum, Denmark and India
Prof. Ivan Pavic, Rector, University of Split, Croatia
Prof. Aleksandar Jakir, Dean, Faculty of Philosophy in Split, Croatia
Zlatko Zevrnja, Split-Dalmatia County Head, Split, Croatia
Sinisa Kuko, Head of the Department of Culture, Arts and Historic City Core, City of Split, Croatia

09:30-10:00

CULTURAL PERFORMANCE

Folk Dance Ensemble "Dalmacija", Dugi Rat, Croatia
Presentation of Ivo Pervan's Photography: Dalmatian Cultural and Natural Heritage
Men's Choir "Brodosplit," Split, Croatia

10:00-10:30

PLENARY SESSION

Jacob Christian Salvig, Naturama and Fjord & Bælt, Denmark;
Why Do We Have Natural History Museums?

10:00-10:30

BREAK & GARDEN SESSION

11:00-11:45

TALKING CIRCLES

Room 1: Environmental Sustainability
Room 2: Sustainability in Cultural, Economic, and Social Context
Room 3: Sustainability Policy and Practice
Room 5: Sustainability Education
11:45-13:45

LUNCH
Lunch will be held at the conference hotel, The Radission Blu. Delegates must be wearing their conference name badge in order to enter the lunch. (See map on page 23)

13:45-15:00 PARALLEL SESSION 1

SOCIAL DIMENSIONS OF SUSTAINABILITY 1
Room 02
Social and Economic Sustainability of Urban Systems: Comparative Analysis of Metropolitan Statistical Areas in Ohio, USA
Dr. Alejandra Maria Gonzalez-Mejia, Oak Ridge Institute for Science and Education-ORISE, United States — Dr. Tarsha Eason, USEPA, United States — Dr. Heriberto Cabezas, USEPA, United States — Dr. Makram Suidan, American University of Beirut, Lebanon
In this paper, Six Metropolitan Statistical Areas in Ohio were evaluated with Fisher Information index, assessing the impact of socioeconomic characteristics on system stability (1970-2009), which is critical for sustainability.

Social Choice in Sustainability: A Segmentation Study of Greater Brisbane, Australia
Dr. Grace Muriuki, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia — Dr. Anne-Maree Dowd, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia — Dr. Steve Hatfield-Dodds, Commonwealth Scientific and Industrial Research Organisation, Australia
This paper proposes that unraveling patterns of discourse and choice around sustainability offers clarity and supports relevance of divergent pathways by focusing on what matters most in each society.

POST-DISASTER SUSTAINABILITY
Room 03
Constructing a Vulnerability Assessment of Human and Environment Systems Using Geographically Weighted Principal Components Analysis
Pei-Chia Liu, National Cheng Kung University, Taiwan — Prof. Hsueh-Sheng Chang
This study constructs a vulnerability assessment of coupling human and environment systems by using GWPCA and assessment into a water sensitive city like Taiwan Yunlin.

Sustainability and Disasters: Thinking about the Involvement of Children
Dr. Lisa Gibbs, The University of Melbourne, Australia — Assoc. Prof. Colin MacDougall, Flinders University, Australia
In this paper, the authors debate a theoretical, research, and practice-based approach to the challenge of identifying a participative role for children in disaster contexts and broader sustainability debates.
NEW APPROACHES IN ENVIRONMENTAL SUSTAINABILITY

Room 04

Ecological Visionaries Evaluated as Nature-centered Leaders: Rachel Carson, Chico Mendes, and James Lovelock
Sean J. Cullen, Alvernia University, United States — Tracey L. Brown, Alvernia University, United States — Dr. Spencer S. Stober, Alvernia University, United States

This paper considers Rachel Carson, Chico Mendes, James Lovelock, and other nature-centered leaders in light of traditional human-centered leadership perspectives and the emerging nature-centered leadership perspective.

Hundertwasser’s Contribution to Urban Ecologism: Rethinking Radical Ecology in a Built Environment
Nir Barak, The Hebrew University of Jerusalem, Israel

This paper questions the possibility of radical ecology in an urban environment and suggests that Friedrich Hundertwasser’s (artist) work may give us a possible (positive) answer.

The Rights of Nature: A Legal Framework for Sustainability?
Dr. David Humphreys, The Open University, United Kingdom

This paper discusses rights of nature discourse, which advocates legal standing for nature, ecosystems, and life forms, as well as inanimate objects. Bolivia and Ecuador have adopted rights for nature.

SUSTAINABILITY EDUCATION 1

Room 07

Educating for a Sustainable Future in South Africa
Dr. Sylvan Everton Blignaut, Nelson Mandela Metropolitan University, South Africa

In this paper I argue that a focus on equity and fairness in education is a prerequisite in the creation of a socially just society in South Africa.

The Quandary of “Rights” and “Responsibility” in Sustainability and Citizenship Education in Northern Ireland
Jenny Wren River Banks, Queen’s University Belfast, Ireland

This is a comparative study of the problematic positioning of “rights” and “responsibility” in sustainability and citizenship education in Northern Ireland.

Sustainability as a Pedagogical Principle in Liberal Arts Education
Maria Alessandra Woolson, University of Arizona, United States

Sustainability is presented as a core principle for humanities and social sciences education with examples drawn from seven-year experience in liberal arts, centered on Latin American cultural and language studies.
13:45-15:00 PARALLEL SESSION 1

COMMUNITY ROLES AND PERCEPTIONS ON SUSTAINABILITY
Room 09

Community Perceptions to the Health Implications of Acid Mine Drainage: A Case Study of Carolina, Mpumalanga Province, South Africa
Kholofelo Makhubedu, University of South Africa, South Africa

This paper discusses the health effects of acid mine drainage, which are scarcely explored while communities located near mining fields continue to suffer adverse health resulting from acid mine drainage.

Impact of Urban Redevelopment on Surrounding Area from Local Residents’ Viewpoint
Ian Wu, National Cheng-Kung University, Taiwan — Prof. Tzu-yuan Chao, Taiwan

The interests of residents outside the urban redevelopment unit are not protected by current regulations in Taiwan. In this study, we examine the impact of redevelopment on nearby residents.

The Role of Gardening Plots in the Social, Cultural, and Economic Inclusion of Low-income Housing Residents: Promoting Health and Community through Converting Inner-city Urban Spaces in Portland, Oregon
Karen Cellarius, Portland State University, United States — Ryan Bender, Portland State University, United States — Dr. Jana L. Meinhold, Portland State University, United States — Dr. Eileen Muench Brennan, Portland State University, United States

Low-income housing can have limited green spaces for exercise and social interaction. In this study, culturally diverse residents share the benefits and barriers of community gardening programs in Portland, Oregon.

SUSTAINABILITY POLICY AND PRACTICE
Room 10

Sustainable Planning Framework for Age-friendly Precincts: New Development in the North East New Territories of Hong Kong
Dr. Queena K. Qian, The Hong Kong Polytechnic University, Hong Kong Special Administrative Region of China — Edwin H.W. Chan, The Hong Kong Polytechnic University, Hong Kong Special Administrative Region of China — Prof. Steffen Lehmann, Australia

Using the NENT development of Hong Kong as a case study, the paper develops a framework matrix considering both sustainable precincts planning and age-friendly design priorities for sustainable urban development.

Seeking Practical Recommendations for Sustainable Dialogue Using Habermasian Theory
Dr. John Whitton, University of Central Lancashire, UK — Ioan Mihangel Parry, University of Central Lancashire, United Kingdom

The research focuses on the production of practical recommendations for communities seeking a form of sustainable dialogue (based on Habermasian theory) for large energy infrastructure decisions.
15:00-15:15

BREAK

15:15-16:55 PARALLEL SESSION 2

URAL DEVELOPMENT AND SUSTAINABILITY
Room 02

Ancient Rome and Modern Detroit: Parallels and Prescriptions for Policy
Dr. Patrick J. Ashton, Indiana University Purdue University Fort Wayne, United States — Matthew Kubik, Indiana University Purdue University Fort Wayne, United States

This paper examines the urban sustainability model of Rome from the fifth to the nineteenth century, providing urban and cultural regeneration planning policies for Detroit and other contracting post-industrial cities.

The Changing Port City: Sustainable Waterfront Revitalisation
Dr. Zenia Kotval, School of Planning Design and Construction, United States — Prof. John Mullin, University of Massachusetts, United States

This paper contends that harbour communities must have a strong, planned sense of direction if they are to remain economically and culturally important.

Green Infrastructure: Potential Application in Urban Areas of São Carlos, Brazil
Dr. Gustavo D'Almeida Scarpinella, Federal University of São Carlos, Brazil — Dr. Ricardo Siloto da Silva, Federal University of São Carlos, Brazil

This paper analyzes the potential of public urban areas for the development of green infrastructure in a medium-sized city in the state of São Paulo, Brazil.

The Implications of Living in an Urban Slum on Residential Energy Consumption: Case Study in Dhaka
Dr. Satoru Komatsu, Hiroshima University, Japan — Prof. Shinji Kaneko, Hiroshima University, Japan — Partha Pratim Ghosh, Bangladesh

Managing slum areas presents serious problems for sustainable urban development. This paper reports on a quantitative evaluation of the residential energy use of urban slum residents in Dhaka, Bangladesh.
15:15-16:55 PARALLEL SESSION 2

**TEACHING AND LEARNING SUSTAINABILITY: COMMUNITY AND MEDIA INFLUENCES**

Room 03

**Sustainable Intervention: The Role of Sustainable Design Practices in Stimulating Change in a System of Public Values**

Daria Akimenko, University of Lapland, Finland

*This study explores how design can work as a language to communicate the value of sustainability to the public.*

**Trust in Media Representation of Environmental Problems**

Dr. Mindy Engle-Friedman, Baruch College, City University of New York, United States — Gleb Furman, University of Austin, United States — Florence Lui, The Graduate Center, City University of New York, United States — Eunjung Lee, Baruch College, City University of New York, United States — Max Cotton, Baruch College, City University of New York, United States

*This longitudinal study examines attitudes of undergraduates regarding the accuracy and slant of media coverage of environmental threats. Differences across gender, ethnicity, and time in the US are reported.*

**COLLOQUIUM**

Room 04

**Integrated Sustainable Strategies in Mexican Urban Space: A Theoretical and Empirical Reflection**

Dr. Carlos Aparicio, Universidad Autónoma de Nuevo León, Mexico — Dr. Ana Elisa Castro Sánchez, Universidad Autónoma de Nuevo León, Mexico — Dr Esteban Picazzo Palencia, Universidad Autónoma de Nuevo León, Mexico — Gilda Castro Reyes, Universidad Autónoma de Nuevo León, Mexico — Shunashii Silva Hurtado, — Dr. Esteban Gilberto Ramos Peña, Universidad Autónoma de Nuevo León, Mexico — Rena Overgaard Porsen

*This colloquium is interested in intellectual reflections about empirical works concerning integrated sustainable strategies that communities have created in Mexican urban space.*
**SUSTAINABILITY EDUCATION 2**

**Room 07**

**Bringing Sustainability Competencies to the Classroom: An Evaluation Grid for Courses and Programs**  
Daniel Forget, Université Laval, Canada — Koassi d’Almeida, Université Laval, Canada  
This paper presents an evaluation grid for establishing an inventory of courses and programs related to sustainability, a unique approach to implement sustainability competencies in the classroom.

**Narratives Exploring Spiritual Pedagogy in Australian Outdoor and Environmental Studies**  
Kathryn Riley, Deakin University, Australia  
To understand the relationship between spiritual well-being and environmental conservation ethics towards deep ecology, this paper explores the stories of three adolescents and their outdoor education experiences in Australia.

**Sustainability in the Business and Public Administration Curriculum: A Comparison of Perspectives of Different Stakeholders**  
Dr. Beate Klingenberg, Marist College, United States — Dr. Susan Kochanowski, Marist College, United States  
This study compares sustainability knowledge and expectation in curriculum content of MBA and MPA students. The results are applied to discuss the current understanding of sustainability and curriculum development.

**Understandings from UNESCO Biosphere Reserve Building: What Different Communication Processes Provide to Our Understanding of Education for Sustainability**  
Maria Kristina Börebäck, CEFO, CSD, Uppsala University; Stockholm University, Sweden  
This paper examines the communication process in biosphere reserves in Sweden as a key to developing knowledge for sustainability in the UNESCO Man and Biosphere program.
15:15-16:55 PARALLEL SESSION 2

ENVIRONMENTAL SUSTAINABILITY 1
Room 09

Environmental Security Concerns Resulting from Natural Resource Extraction: Who Is to Blame, Host Governments or Multinational Corporations?
Dr. Marcus Ogwu Edino, Colgate University, United States

This paper examines the nature of environmental security concerns resulting from crude oil extraction in the Niger Delta oil producing region of Nigeria and its implication on sustainable development.

Spatial Analysis for the Assessment of the Environmental Changes in the Landscapes of Izmir Surroundings
Polina Lemenkova, Charles University, Czech Republic

This paper addresses changes in the landscapes of western Turkey (1987-2000) from the satellite images of Izmir region, Turkey.

The Sustainability of Natural Gas in Australia: Substitution Effects Indicator for Resource Depletion
Shaun Rimos, Monash University, Australia — Assoc. Prof. Andrew F. A. Hoadley, Monash University, Australia — Assoc. Prof. David J. Brennan, Monash University, Australia

A substitution effects methodology uses the impacts caused by substitution of natural gas to alternative resources as an indicator to examine the wider consequences of natural gas depletion in Australia.

Mapula Tshangela, Department of Environmental Affairs, South Africa

The paper shares the environment sector's science-policy interface approach that promotes collaboration among sector researchers and policy makers in sustainable development and green economy.
CULTURAL SUSTAINABILITY: CROATIAN PERSPECTIVES

Room 10

Cultural Sustainability through a Century of Amateur Theater: Connection of Culture, Sustainability, and Tourism from the Example of Gata
Nikolina Radmilo, University of Split, Croatia

The aim of this paper is to provide an insight into preservation of a small town's culture and history through amateur theater.

Language as an Intangible Cultural Heritage: Lexical Recognition in the Satirical Journal "Duje Balavac"
Anita Runjić-Stoilova, University of Split, Croatia — Marijana Tomelić Ćurlin, University of Split, Croatia

In this paper the authors analyze the lexis of "old Split" speech in Split's first satirical magazine entitled "Duje Balavac."

Sustainability and/or Survival of Literature in the Contemporary World: Theoretical Premises of Ecocriticism
Dr. Nikica Mihaljevic, University of Split, Croatia — Dr. Gordana Galic Kakkonen, University of Split, Croatia

This paper presents some theoretical premises of environmental literary criticism and its field of study.

17:45-18:45

WELCOME RECEPTION AND BOOK LAUNCH AT THE RADISSION BLU
Sponsored in part by the City of Split and the Split-Dalmatia County
Thursday
08:00

**Registration Desk Open**

09:00-09:30

**Publishing Session**

Caitlin Brooks, Common Ground Publishing, USA;
Publishing Your Article or Book with Common Ground

09:30-10:00

**Plenary Session**

Prof. Amareswar Galla, Institute of the Inclusive Museum, Denmark and India
Framing Ethics and Accountability in the post-2015 Development Agenda

10:00-10:30

**Break & Garden Session**
TOURISM AND SUSTAINABILITY
Room 01

The Impact of Tourism on the Sustainability of Indigenous Tribes in the United States
Tracey L. Brown, Alvernia University, United States — Dr. Peggy Bowen-Hartung, Alvernia University, United States
This paper presents a qualitative meta-analysis of research related to the impact of tourism on the sustainability of indigenous tribes of the contiguous United States.

Sustainability and Ecotourism Partnerships: Promoting Sustainability College-Community Partnerships
Dr. David Donathan, St. Catharine College, United States
This paper describes an interdisciplinary studies class in which stewardship and sustainability topics were taught using both an academic component and a hands-on component hosted by a community partner.

Sustainability in the Travel Industry
Dr. Ulla Kotonen, Lahti University of Applied Sciences, Finland — Heidi Antman, — Teemu Kokkonen, — Taina Savonen, Lahti University of Applied Sciences, Finland
The purpose of the paper is to analyze the current state of sustainability and socially responsible behavior among the top four tour companies operating in Finnish markets.

Sustainable Tourism at the UNESCO World Heritage Site of Chavin de Huantar, Peru: Archaeology and Sustainable Heritage
Dr. Matthew Sayre, Archaeology and Sustainable Heritage
This paper analyzes efforts to enhance the sustainability of the UNESCO World Heritage site of Chavin de Huantar, Peru. Our work is informed by archaeological and ecological field work.
10:30-12:10 PARALLEL SESSION 3

SOCIAL AND HUMAN CAPITAL

Room 02

Challenges of Sugar Cane Production in Brazil: Human and Social Costs of Ethanol
Dr. Terry-Ann Jones, Fairfield University, United States

This paper considers the living and working conditions of seasonal migrant labor that harvests sugar cane in Brazil, arguing that ethanol production is unsustainable, given the human and social costs.

Considering the Human Sustainability of Rome's Mature Empire
Prof. Linda W. Gillison, The University of Montana, United States

This paper suggests classroom use of primary sources concerning the specific human costs incurred as the mature Roman Empire sought to maintain itself amid growing social, economic, and political challenges.

Sustainable Development Possibilities of the Lika Area: Sociological Analysis of Local Social and Human Capital
Anita Bušljeta Tonković, Institute of Social Sciences Ivo Pilar, Croatia

This paper presents possibilities for sustainable development in Middle Lika's (rural) area (Croatia). In the context of sustainable development, this paper will examine two sub-categories: social and human capital.
10:30-12:10 PARALLEL SESSION 3

THE POLITICS AND PRACTICE OF SUSTAINABILITY

Room 03

A Legal Duty to Achieve Sustainable Development?: The Welsh Assembly Government's Attempt to Create a Legally Enforceable Sustainable Development  
Dr. Haydn Davies, Birmingham City University, United Kingdom

This paper assesses the feasibility of the sustainable development duty proposed in the Sustainable Development Bill created by the regional government of Wales under its devolved powers.

Sustainability and Externalities: Associated Projects to Save the Florida Everglades  
Dr. Andrew Schmitz, University of Florida, United States — Prof. Lynn Kennedy, United States — Esq. Julie Hill-Gabriel, United States

This paper provides an account of the 2010 U.S. Sugar Corporation Buyout to restore the Florida Everglades and includes a spatial price equilibrium model and an environmental-equivalent benefit-cost analysis.

Uneconomic Economics and Impotent Ethics: Why We Continue to Foul Our Earthly Nest  
Dr. Heidi M. Hurd, University of Illinois, United States

This paper questions “Why does sustainability prove so vexing?” and suggests that until we develop a robust environmental ethic, we will continue to sacrifice sustainability for uneconomical short-term gains.

Lessons Learned: Community-driven Indicators for Tourism Sustainability in Rural Costa Rica  
Dr. Marianna Strzelecka, University of North Texas, United States — Dr. Eliécer Vargas, CATIE University and the Instituto Tecnológico de Costa Rica, Costa Rica — Dr. Daniel Spears, University of North Texas, United States

The project's goal is to create sustainability indicators that will contribute to a rural system’s resilience to pressures from tourism. Benefits and challenges of this study's participatory methodologies are discussed.
10:30-12:10 PARALLEL SESSION 3

**SUSTAINABILITY ISSUES IN HIGHER EDUCATION 1**

Room 08

**An Academic Model for World-wide Sustainability**
Dr. Zeljka Vidic, Western Michigan University, United States — Dr. Dasha Nisula, Western Michigan University, United States — Dr. Sime Curkovic, Western Michigan University, United States

*This paper will discuss Western Michigan University’s unique conceptual approach toward sustainability that may serve as a framework for academic institutions at a global level.*

**Administrative Influences of Sustainability Teaching at an Academic Institution:**

**Suggested Methods for Administrations to Support Sustainability Curricula**
Thammika Songkaeo, The University of Pennsylvania, United States

*This paper asks how administrations can boost sustainability curricula in universities by examining what incentives guide professor participation.*

**Struggling with Sustainability: Academic and Professional Identities as Barriers to Engaging in Education for Sustainability**
Peter Jones, James Cook University, Australia — Kate Galloway, James Cook University, Australia

*This paper describes the current state of education for sustainability in professional social work and legal education, considering the nature of academic and professional identity.*

**Sustainability Stewardship in a University**
Dr. Raymond Krizek, Northwestern University, United States — Dr. Ahmad Hadavi, Northwestern University, United States — Robert Whittier, Northwestern University, United States

*This paper describes the custom-designed courses that have been developed to constitute a program of graduate study in sustainable practices and the supporting University effort to implement what it teaches.*

**WORKSHOP (10:30-11:15)**

Room 11

**Implementing a Triple Bottom Line Approach to the Management System: A Guide for Educational Institutions and Businesses Alike**
Claire Bennett, Wilfrid Laurier University, Canada

*The goal of this workshop is to help organizations transition toward a triple bottom line approach to management by providing foundations to create and implement sustainability action plans.*
10:30-12:10 PARALLEL SESSION 3

SUSTAINABLE BUILDING

Room 12

Is the United States a Melting Pot or a Mud Pit?: Using Sustainable Building to Promote Multiculturalism in American Society
Dr. Paul Derby, Castleton State College, Vermont, United States — Benjamin Carstens, Castleton State College, Vermont, USA, United States

Earth, straw, and water are traditional building materials of indigenous and Hispanic cultures of the American Southwest. This paper and documentary demonstrate how adobe restoration promotes cultural and environmental sustainability.

New Sustainable School Buildings in the Climate of Iowa
Megan Fowler, Iowa State University, United States — Dr. Andrea Wheeler, The University of Loughborough, United Kingdom

This paper identifies key concerns within the US context for the design of contemporary sustainable schools.

Stakeholders’ Perception on Construction Waste Management Strategies: Towards Sustainable Construction Industry in the Philippines
Stephen Dominic Maningas, Institute of Civil Engineering, University of the Philippines Diliman, Philippines — Christian R. Orozco, University of the Philippines Diliman, Philippines

This research includes surveying different stakeholders in the construction industry and documenting their perception on currently implemented waste management strategies in the Philippines.

The Use of Recycled Concrete Aggregate and Its Effect to the Concrete Compressive Strength in the Philippine Setting
Jaime Angelo Victor, Philippines — Harrison Jeremy Pow, University of the Philippines Diliman, Philippines

This research investigates the use of recycled concrete as substitute for Philippine natural aggregates in concrete and determine the effect of RCA to the compressive strength of the new mixture.

12:10-13:45

LUNCH

Lunch will be held at the conference hotel, The Radission Blu. Delegates must be wearing their conference name badge in order to enter the lunch. (See map on page 23)

13:45-14:30

TALKING CIRCLES

Room 2: Environmental Sustainability
Room 3: Sustainability in Cultural, Economic, and Social Context
Room 6: Sustainability Policy and Practice
Room 7: Sustainability Education
CULTURAL SUSTAINABILITY

Room 02

Cultural and Economic Sustainability of Community-based Cultural Tourism in the Kalahari: Heritage, Commodification, and Cultural Elite
Jennifer Scheffler, Bayreuth University, Germany

The paper examines cultural, social, and economic implications of a community-based cultural tourism project in Botswana, which aims at providing a sustainable source of income for a marginalized community.

Cultural Sustainability and the Negotiation of Public Space: The Case of Indrachowk Square, Kathmandu, Nepal
Prof. Martina Maria Keitsch, Norwegian University of Science and Technology, Norway — Bijay Singh, Nepal

This paper analyses negotiations of public space through a case study on Indrachowk Square, Kathmandu, aiming at presenting an interdisciplinary methodology for cultural sustainability, design, and architecture.

Weaving Cultural Camouflage: Transcribing Unconventional Cultural Patterns into Commercial Products
Levi Hammett, Virginia Commonwealth University, Qatar — Pornprapha Phatanateacha, Virginia Commonwealth University, Qatar — Maryam Al-Homaid, Virginia Commonwealth University, Qatar

This paper discusses a project that explores ways to adapt cultural elements into products to promote cultural sustainability. The work includes an iPad application and a series of Islamic carpets.

Death Dilemmas: "Sustainable" Funerary Practices in Adelaide, South Australia
Dr. Keri Chiveralls, University of South Australia, Australia — Dr. Lou Wilson, University of South Australia, Australia

This paper commences an exploration of some of the cultural implications of new and emerging "sustainable" funerary practices in the context of Adelaide, South Australia.
14:40-16:20 PARALLEL SESSION 4

NATIONAL SUSTAINABILITY POLICIES AND INITIATIVES
Room 03

Combating the Threat of Nuclear Weapons: Nuclear Weapons and New Zealand
Dr. Raymond Richards, University of Waikato, New Zealand
This paper examines a nuclear test by the United States in 1962 as a seminal event in the banning of that country’s warships from New Zealand.

Current Practices towards Achieving Sustainable Construction in the United Kingdom
Dr. Alex Opoku, London South Bank University, United Kingdom — Prof. Chris Fortune, Glyndwr University, United Kingdom
The aim of this paper is to examine how UK construction organizations are actively engaged in sustainability practices.

Dealing with Dead Zones: Sustainability Concerns in the Development of Policy Frameworks Regarding Hypoxia
Dr. Mary Hallock Morris, University of Southern Indiana, United States
This paper examines the role of sustainability in developing rules, norms, and institutions to mitigate hypoxia in the Gulf of Mexico and Baltic Sea, using Institutional Analysis and Development Framework.

Localism Act 2011 and the Public Services (Social Value) Act 2012: An Opportunity to Tackle Climate Change at the Neighbourhood Level?
Prof. Matthew Humphreys MBE, Kingston University London, United Kingdom — Robert Sugden, Kingston University London, United Kingdom
This paper discusses research into how new UK legislation aiming to devolve central government powers and increase accountability to communities can be utilized to develop neighborhood orientated carbon reduction schemes.
Environmental Sustainability 2
Room 04

Cybernated Farm Systems, Shifting the Agricultural Paradigm: Technical Solutions for Social Concern
Douglas Mallette, Cybernated Farm Systems, United States

this paper is about Cybernated Farm Systems, our mission, goals, and unique perspective on advancing mankind to a new agricultural paradigm via off-grid automated aquaponic facilities.

A Review of the Elements of Human Well-being with an Emphasis on the Contribution of Ecosystem Services
Dr. James Kevin Summers, U.S. Environmental Protection Agency, United States

This paper examines human well-being and the interactions of its four primary elements - basic human needs, economic needs, environmental needs, and subjective well-being – and ecosystem services.

Simulations of Societal Collapse in the Island of Hawaii
Mark Kimura, University of Hawaii at Hilo, United States — Prof. Philippe Binder, University of Hawaii at Hilo, United States

This paper explores scenarios for the future of Hawaii Islands with a dynamical, local-global coupled model based on the platform introduced in the 1972 study "The Limits to Growth."
SOCIAL DIMENSIONS OF SUSTAINABILITY 2

Room 05

Democracy Promotion: The Elusive Quest for Sustainable Democracy in the Face of Global Challenges
Prof. Fatos Tarifa, University of New York Tirana, Albania
This paper argues that democratic principles and institutions are neither transportable nor transplantable, nor do they take root overnight.

Difference or Dominance?: Gender Inequality as a Social Problem
Aida Zhupá, European University of Tirana, Albania — Prof. Fatos Tarifa, University of New York Tirana, Albania
We contend that by bringing inequalities to light in what we say and do, we create spaces in which a more just reality can take shape even in patriarchal societies.

Who and What in the Middle Class
Itai Sened, Washington University in St. Louis, United States
The paper provides a theoretically-based, empirically rigorous definition of the middle class to improve research on the well-being of the middle class and its consequences across time and geographies.

Democracy and Development: Basic Concepts and Key Linkages
Iljaz Labi, University of Tirana, Albania — Prof. Fatos Tarifa, University of New York Tirana, Albania
This paper analyzes the complex relationship between democracy and development, thinking about how the different goals it seeks to pursue interact and to grapple more seriously with the ensuing tensions.

SUSTAINABLE AGRICULTURE AND FOOD SECURITY

Room 06

Land Reform and Sustainable Food Security as Co-existing Policy Priorities in South Africa
Prof. Dirk Kotze, University of South Africa, South Africa
This paper examines the South African government’s policy priorities to promote land reform and sustainable food security at the same time. Can these policies co-exist and be sustainable?

Multifunctionality of Organic Farming: A Case Study in Sanxing Township, Yilan County, Taiwan
Ai-Ching Yen, National Chengchi University, Taiwan — Yin-An Chen, National Chengchi University, Taiwan
This study focuses on the multifunctionality of organic farming in Taiwan.

Organic Supply Chains: Which Contribute to the Territorial Social Responsibility?
Dr. Laura Viganò, Istituto Nazionale di Economia Agraria, Italy — Dr Alberto Sturla, Istituto Nazionale di Economia Agraria, Italy
This paper aims to test how and to what extent socio-institutional context and organic supply chains complete each other in setting and maintaining a socially responsible territory in rural areas.

Sustainable Food Systems in the Twenty-first Century: Considering Natural Capital Embodied in the Israeli Meat System
Shira Dickler, Ben-Gurion University of the Negev, Israel — Dr. Meidad Kissinger, Israel
This paper is a Life Cycle Assessment measuring the energy and land footprints demanded by Israeli beef and chicken consumption following both domestic production and imports of inputs and products.
Developing a Sustainable Profession: An Exploration of the Necessary Skills Required for Accounting Professionals to Effectively Engage in Integrated Reporting
Nicholas McGuigan, Macquarie University, Australia — Thomas Kern, Macquarie University, Australia

This is an exploratory study that discusses transdisciplinary skills required for accountants to act in an Integrated Reporting environment, where scarce resource availability becomes an increasing concern.

Representing Education for Sustainability in Pre-service Teacher Education Courses: A Case Study of an Australian Regional University
Assoc. Prof. Joy Hardy, University of New England, Australia — Dr. Frances Quinn, University of New England, Australia — Dr. Susen Smith, University of New South Wales, Australia

This paper uses UNESCO’s four pillars of sustainability, constructing and analyzing Education for Sustainability profiles for early childhood, primary, and secondary pre-service teacher education courses in an Australian regional university.

Smart Grid Innovation Processes in Japan and the United States: Key Stakeholders, Drivers, Obstacles, Visions, and Focus Technology Areas
Martin Karlsson, University of Tokyo, Japan

This paper compares of smart grid innovation processes in Japan and the United States, focusing on key stakeholders, key visions, and focus technology areas within the smart grid.
Friday
08:30

REGISTRATION DESK OPEN

09:00-10:15 PARALLEL SESSION 5

POSTER SESSION

Gallery

Building Sustainable Communities as Part of Revitalization: An Austrian Way Based on Robust and Mutual Relationship between SPES and Local Residents

Dr. Shino Koda, Johannes Kepler University Linz, Austria

This research suggests the significance of establishing a robust and mutual relationship between the educators and those who are being educated on sustainability, focusing on collaborative activities in Austria.

The Effect of Biochar on Cotton Seedling Growth and Development

James Burke, The University of Arkansas, Fayetteville, United States — Dr. David Longer, University of Arkansas, Fayetteville, United States — Dr. Derrick Oosterhuis, University of Arkansas, United States — Dr. Eduardo Kawakami, Brazil — Dr. Dimitra Loka, University of Arkansas, Fayetteville, United States

This study determines the effects of biochar on cotton seedling growth and development. Results of these studies will help determine the feasibility of agricultural biochar production.

Greening the Shop Floor: Sustainability in Manufacturing

Shannon Galary, Stryker Orthopaedics, United States

This poster explores the journey towards accomplishing LEED Certification for the manufacturing site in Mahwah, NJ, including sustainable initiatives implemented to “green” the shop floor, lessons learned, and next steps.

Pedestrian-level Urban Ventilation Study in High-rise, High-density Urban Environment of Hong Kong

Hao Qin, The University of Hong Kong, Hong Kong Special Administrative Region of China

This paper identifies the most important parameters in high-rise, high-density, urban environment of Hong Kong that influence the pedestrian urban ventilation based on Computational Fluid Dynamics technology.

Place Removed: A Case for Cultural Sustainability in Remote Environments

Emily Shea Beck, Perkins and Will, United States

This design project proposes that by abstracting cultural elements, one can create environments wherein the surroundings teach vital conceptual information, breeding a respect that will ultimately sustain the remote culture.

POSTER SESSION CONTINUED.......
09:00-10:15 PARALLEL SESSION 5

**Poster Session Continued**

**Gallery**

**Summer Microclimate and Use of Pocket Parks in High-rise High-density Developments in Hong Kong**
Pingying Lin, The University of Hong Kong, China

*This poster exhibits the procedure and preliminary results of an empirical study on summertime microclimate and use of pocket parks in Hong Kong.*

**Developing Sustainable Regions through Responsible Small and Medium Enterprises: Sustainability as a Tool for Regional Development**
Lucila Castro, FUNDECYT, Spain — Mayte Gallego FUNDECYT, Spain — Borja Cardenas Tobias, FUNDECYT-PCTEX, Spain — Rosa Maria Mendez Mejias, FUNDECYT-PCTEX, Spain

*This poster presents the DESUR Project, which improves regional policies to promote responsible and sustainable innovation in Small and Medium Enterprises throughout the exchange of experiences among different European Regions.*

**Gender-based Violence in Kosovo: An Obstacle to Sustainable Economic, Social, and Political Development of Kosovar Society**
Xhenet Syka, European University of Tirana, Albania

*Gender-based violence in Kosovo affects women’s well-being, their lives, and the prospects for their social, educational, and economic development.*

**Social Capital as a Prerequisite for Sustainable Development: The Case of Albania**
Anisa Proda, European University of Tirana, Albania — Dr. Matilda Veliu, University Ismail Qemali of Vlora, Albania

*Loss of trust in institutions in Albania requires bolstering social capital through civic organization and the institutions of civil society.*
09:00-10:15 PARALLEL SESSION 5

TEACHING AND LEARNING SUSTAINABILITY: SCHOOLS, UNIVERSITIES, AND COMMUNITIES 1

Room 01

Sustainability as a Buzzword: The Implications of Undergraduate Perceptions of the Term
Nathan Jones, University of Saskatchewan, Canada — Dr. Lee Swanson, University of Saskatchewan, Canada

This paper examines students’ sustainable perceptions and actions determining whether the recent proliferation of the sustainability concept has led to increased social comprehension or has reduced sustainability to a buzzword.

Sustainability’s Levels, Dimensions, and Horizon: Epistemological Considerations for a Research Agenda in Economics and Business Administration
Prof. José-Luis Fernández-Fernández, Universidad Pontificia Comillas, Spain — Prof. Anna Bajo Sanjuán, Comillas Pontifical University, Spain

This paper shows a wider approach to the restricting environmental and ecological understanding of the concept of "sustainability."

Using the Food System to Explore Pre-service Teachers’ Understandings of Sustainability
Lina Yamashita, University of California, Davis, United States

In this study, interviews were conducted with ten pre-service teachers to explore their understandings of the social and environmental implications of agriculture and trade-offs in agricultural practices.

SOCIAL DIMENSIONS OF SUSTAINABILITY 3

Room 02

Community Asset Mapping Programme for Roots-driven Sustainable Socio-economic Change in Rural South Africa
Dr Melanie Nicolau, University of South Africa, South Africa — Christine Delport, Greater Rustenburg Community Foundation, South Africa

This research focused on the development of a tool that assists communities in reducing their own levels of poverty and inequality and thus improving their own quality of life.

Faith Communities and Environmental Degradation in Northeast Nigeria
Muazu Shehu, The University of Sheffield, United Kingdom — Susan Molyneux

This study attempts to use qualitative techniques to explore how faith communities perceive and explain land degradation, and how they respond to key forms of land degradation affecting the area.

Sustaining the Roles of Public Libraries through Market Orientation: A Case Study of Selected Public Libraries in KwaZulu-Natal, South Africa
Dr. Veli Jiyane, University of South Africa, South Africa — Smangele Moyane, University of South Africa, South Africa

This paper suggests market orientation as an alternative strategy that library managers can employ to cope with changes facing public libraries, improve service delivery, and work with limited resources.
09:00-10:15 PARALLEL SESSION 5

COMMUNITY SUSTAINABILITY INITIATIVES 1
Room 03

Building Eco-social Capacity to Meet Environmental Crisis: A Model Accommodating Perspectives of Western Sydney Community Groups
Tom Colley, University of Western Sydney, Australia — Prof. Shelley Burgin, Bond University, Australia — Dr. Brenda Dobia, University of Western Sydney, Australia

Through study of community group perspectives in Western Sydney, a model of eco-social capacity is described that enables appropriate emphasis on key capacity-building domains in this time of environmental crisis.

Fixing the Failures of Mandated Energy Optimization Programs: Save the World through Small, Local Awareness Efforts
Kelly Weger, Purdue University, United States

This paper argues that mandated efficiency policies are a win-win for burgeoning demand side management, yet only marginally successful at reducing carbon footprint amidst a dearth of sustainability education.

Social Sustainability and Community Perspectives: Understanding the Social Impacts of Energy Developments for Sustainable Decision-making
Ioan Mihangel Parry, University of Central Lancashire, United Kingdom — Dr. John Whitton, University of Central Lancashire, United Kingdom

The research focuses on understanding social sustainability from a community perspective, and proposes that understanding the social impacts of energy developments can enhance the sustainability of energy-related decision-making.

POLITICS OF SUSTAINABILITY
Room 04

The Attempt to Be an “Energy Superpower”: An Analysis of the Keystone XL Pipeline Debate in Canada
Prof. Harris Ali, York University, Canada

Analyzing the controversies surrounding several high profile oil pipeline proposals in Canada, this study investigates how contemporary policies concerning fossil fuel development impedes efforts to develop renewable energy sources.
Disposal of Endoscopic Accessories
Valerie Shoup, UT Southwestern, United States — Deepak Agrawal, UT Southwestern, United States
We found that medical professionals working in hospitals across the United States lack knowledge on the proper disposal of medical waste. Educational programs may have profound financial and environmental effects.

Management of Acid Mine Drainage in South Africa: A Sustainable Way Forward
Suvania Naidoo, University of South Africa, South Africa
This paper focuses on acid mine drainage management, searching for and implementing the best possible solutions for addressing the existing environmental damages caused and implementing prevention measures for the future.

Women’s Perceptions and Attitudes about Recycling: A Case Study in South Africa
Derica A Kotzé, University of South Africa, South Africa
This paper compares the perceptions and attitudes of women in host households and their domestic workers about the value of domestic recycling in South Africa for promoting environmental sustainability.

Education for Sustainable Development at the University of the West of England, Bristol
Prof. James Longhurst, University of the West of England, Bristol, United Kingdom — Dr. Georgina Gough, University of the West of England, Bristol, United Kingdom
This paper describes and evaluates the actions taken by UWE, Bristol to develop a comprehensive approach to Education for Sustainable Development (ESD) within the curricula of the University.

Knowledge, Perceptions, and Behavior towards Sustainability: A Comparative Analysis
Dr. Srijana Bajracharya, Ithaca College, United States — Dr. Vishakha Maskey, West Liberty University, United States — Erica Jean DeNicola, Ithaca College, United States
This paper presents a comparative analysis of undergraduate students’ attitudes towards sustainability in two dissimilar educational institutions in the United States.

Raising Sustainability Awareness in a Higher Education Institution: Engaging the Whole Institutional Community
Dr. Georgina Gough, University of the West of England, Bristol, United Kingdom — Prof. James Longhurst, University of the West of England, Bristol, United Kingdom
This paper is an overview of how one large Higher Education institution has approached the task of creating a sense of community in relation to sustainability practice.
Room 01

**Artificial Aquifers: Case Study of an Apartment Complex**  
Prof. Uday Chipalkatty, Dr. B.N. College of Architecture for Women, India  
This paper describes a project creating an artificial aquifer in an apartment complex in India where many cities and people do not have a sufficient water supply.

**Critique of the 2012 North American Great Lakes Water Quality Protocol:**  
The Sustainability of Nearshore Ecosystems  
Savitri Jetoo, McMaster University, Canada  
This paper critically evaluates the 2012 North American Great Lakes Water Quality Protocol to assess how well it caters to the sustainability of the nearshore ecosystem of the Great Lakes.

**Flood Effect in Tropical Livestock Production: Colombian Case**  
Fabio Alberto Pachón Ariza, Universidad Nacional de Colombia, Germany — Angélica Lesmes, Universidad Nacional de Colombia, Colombia — Diego Ivan Martínez Zárate, Colombia  
This study characterizes the effects of tropical livestock production in Colombia during the extreme rainy seasons in 2010 and 2011.

Room 02

**High Cotton: A Community Well-served by Re-utilization of an Abandoned Industrial Site**  
David A. Driskill, College of Architecture, Texas Tech University, United States  
This paper describes a process and design using established tools and methodologies to establish goals, processes, and facilitation of transformational services for a community’s homeless and under-served population.

**The Old School Community Garden: More Than a Growing Place, Building Community and Food Security**  
Dr. David G. Lloyd, University of South Australia, Australia  
This paper describes the process and outcomes of a community consultation process aimed to direct The Old School Community Garden (TOSCG) project in an Adelaide Hill’s community, South Australia.

**The Role of Victimization versus Survivorship for Victims of Domestic Abuse: How to Use Personal and Community Resources to Move from Victimization to Survivorship**  
Evon Spangler, Spangler and de Stefano, PLLP, United States — Perry de Stefano, Spangler and de Stefano, PLLP, United States  
This study educates victims of domestic violence, their community, and those who help them on the availability and utilization of resources so that victims can move from victimization to survivorship.
10:25-11:40 PARALLEL SESSION 6

ORGANIZATIONAL AND BUSINESS SUSTAINABILITY
Room 03

Discourse Theory for Sustainable Business
Dr. Michael Siebecker, University of Denver, United States

*The paper examines how a new “discourse theory” of management that takes into account stakeholder interests will promote sustainable business in developing markets.*

Information and Intermediaries as Aids for Sustainable Informal Sector Businesses in South Africa: A Case of Hlabisa Women
Dr. Veli Jiyane, University of South Africa, South Africa

*The aim of the paper is to investigate the extent to which relevant business information and intermediaries can have an effect in the sustainability of the informal sector businesses.*

Roles and Responsibilities of Information Technology Internal Auditors at Metropolitan Municipalities in South Africa
Lukishi Jacob Mamaile, University of Johannesburg, South Africa — Alex van der Watt

*This study presents identified roles and responsibilities of IT internal auditors in metropolitan municipalities in South Africa based on the respondents in seven municipalities out of eight.*

ECONOMICS OF SUSTAINABILITY
Room 04

A Farewell to Loans: Sustaining Higher Education
Sean J. Cullen, Alvernia University, United States

*In this paper, the author proposes a new way for students to attend college without massive debts with a goal of sustaining higher education and the liberal arts.*

Museums during Financial Crises: Impact, Economic Sustainability Strategies, Challenges, and Difficulties Encountered
Prof. Nora Ebeid, Cairo University, Egypt

*This paper addresses how six international museums and Egyptian Museums are handling the current global or local economic crises. It will present lessons learned specially for museums in developing countries.*

Role of Organizational Governance in Household Level Economic Indicators: Evidence from Community-based Rice Seed Production of Nepal
Narayan Khanal, Hiroshima University, Japan — Prof. Keshav Lall Maharjan, Hiroshima University, Japan

*This paper discusses the relationship between organization level governance indicators and household level economic indicators. Understanding this relationship is important for implementing sustainability and sustainable development.*
10:25-11:40 PARALLEL SESSION 6

**World Heritage and Sustainable Tourism**

**Room 011**

**Croatian Maritime Heritage in Cultural Tourism**
Josko Bozanic, University of Split, Croatia

*Croatia as an Adriatic country has rich maritime heritage. This paper explores how to include traditional maritime heritage in cultural tourism programs.*

**Marine Protected Areas: Their Contribution to Sustainability**
Angela Dettori, University of Cagliari, Italy — Prof. Ernestina Giudici, Cagliari University, Italy

*This paper analyzes the marine protected area of Capo Carbonara. The aim is to understand in what ways a certified environmental professional can promote tourism sustainability.*

**Sustainability and Industrial Heritage**
Merica Pletikosic, CEMEX Croatia, Croatia

*This paper explores the relationship between the resistance of concerned public towards the coexistence of industry and tourism and insufficient awareness of ecological problems in Croatia’s Solin-Kaštela Basin.*

11:45-12:15

**Conference Closing**

Phillip Kalantzis-Cope, Common Ground Publishing, United States
Prof. Amareswar Galla, Institute of the Inclusive Museum, Denmark and India
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