Programa UNITWIN y de Cátedras UNESCO

ODS 15 – Vida de ecosistemas terrestres

Establecido por la UNESCO en 1992, el Programa UNITWIN y de Cátedras UNESCO es una plataforma intersectorial que cubre todas las áreas de la organización: Educación, Cultura, Ciencias Sociales y Humanas, Ciencias Naturales y Exactas, y Comunicación e Información. El programa juega un rol clave aportando ideas, innovación, conocimiento, información y apoyo para el logro de los Objetivos de Desarrollo Sostenible (ODS).

Para destacar el 25º Aniversario del Programa, invitamos a las Redes UNITWIN y de Cátedras UNESCO a reflexionar sobre su contribución a la Agenda 2030 para el Desarrollo Sostenible y sus 17 Objetivos, y a ilustrarla con una breve información sobre sus actividades recientes y proyectos futuros más significativos.

Deseamos agradecer a los titulares de Cátedras UNESCO y Coordinadores de Redes UNITWIN que ya han respondido a nuestra invitación. Esperamos que la información, que está organizada por ODS, desencadenará el diálogo y posibles colaboraciones a nivel global.

Los autores son responsables por la elección y presentación de puntos de vista contenidos en estos documentos y por las opiniones expresadas en ellos, los cuales no necesariamente son los de la UNESCO y no comprometen a la Organización.

Para más información sobre los ODS, por favor visitar: https://sustainabledevelopment.un.org

Mentes Brillantes
Soluciones Sostenibles
UNESCO Chair on Radiation and Environmental Management

International Sakharov Environmental Institute Of Belarusian State University

Belarus

Current areas of activity

• Developing joint research projects and curriculum with European partner universities, in environmental sciences and management including research on biomonitoring system for controlling pollution in environment

• Providing interaction between the teaching staff and scientific employees of the ISEI/BSU leading scientists from scientific and pedagogical centers of the world, European and CIS countries

• Directing the provisions of the Agreement and the Statute of the ISEI/BSU as well as the legislation of the Republic of Belarus in the sphere of education and science

• Publishing the papers of environmental sciences and management, mathematical methods and models in environment

• International lecturing and training, fellowship arrangements, student exchange, and participation in international conferences

Future activities to address the SDGs

• Continuation of the development of an interdisciplinary base, educational processes, content, practice, pedagogical methods and ICT technologies in the implementation of various forms of lifelong learning for all throughout life

• Development and implementation of technology for networking for development personal potential, the expansion of multicultural and interreligious dialogue, education of global citizenship for a sustainable future

Chair holder: Dr. Nadezhda Goncharova
Contact: goncharova@iseu.by
Current areas of activity

- Strategic environmental assessments for cascade hydropower and other major infrastructure projects in Southwest China
- Community capacity building on effective natural resource management and techniques for energy saving/emission reduction
- National or regional conferences on land-use change, ecological monitoring, environmental impact assessment

Future activities to address the SDGs

- Appraisals on biodiversity impact from economic development and anthropogenic land use in Southwest China
- Developing methods for effective nature conservation and community development in national parks and other types of protected areas in Southwest China
- Quality education on ecology and sustainable development for undergraduate and graduate students at Yunnan University
UNESCO Chair on Biosphere Reserves and natural and mixed World Heritage Sites

University for International Cooperation

Costa Rica

Current areas of activity:
• Strengthening the capacities of biosphere reserves and world heritage site managers
• Support to the MAB National Committee
• Periodic review coordination of the Agua y Paz Biosphere Reserve

Future Activities to address the SDGs:
• International training program for young leaders in Latin American biosphere reserves
• Applied research on regenerative territorial development
• Promote the dialogue of knowledge between academia, indigenous peoples and UNESCO sites managers

Chair holder: Dr. Eduard Müller
https://www.uci.ac.cr/catedra-unesco/
Contact: rectoria@uci.ac.cr ; tmoreno@uci.ac.cr

Meeting "Indigenous knowledge in biosphere reserves of Latin America". San José, December 2017. Photo: Karen Llach, UNESCO San José.
Cátedra UNESCO Biomateriales

Universidad de La Habana

**Titular de la Cátedra:** Prof. Dr. Rubén Álvarez Brito
http://catedrasunesco.uh.cu

**Contacto:** ruben@fq.uh.cu; ruben.alvarez250845@gmail.com

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**Actuales áreas de actividades**
- Contribución en la conformación de la red de Cátedras UNESCO en Cuba
- Participación en el próximo evento CILAC, en Panamá
- Relaciones de trabajo con las Cátedras UNESCO del Caribe

**Futuras actividades para abordar los ODS**
- Talleres, congresos internacionales, publicaciones, seminarios y conferencias donde se ilustra la necesidad hacer ciencia para mejorar la calidad de la vida del ser humano y a la vez, elevar la cultura en la conservación del medio ambiente
- Organización de una nueva edición de los Encuentros Cuba-Alemania con alcance para el área del Caribe y Centroamérica
- Incrementar el trabajo en la red “ASPNET”, “Escuelas asociadas a la UNESCO” en el nivel pre-universitario
UNESCO Chair on World Heritage and Biosphere Reserve Observation and Education

Heidelberg University of Education

Current areas of activity

• Development of an e-learning platform for UNESCO site managers on applications of remote sensing and digital geo-media for monitoring, management and sustainable development especially of endangered UNESCO sites

• Supporting the setting-up of the “Heidelberg Center on Education for Sustainable Development”

Future activities to address the SDGs

• Development of new approaches and methods of environmental research and communication

• Capacity development on utilisation of digital geo-media and remote sensing applications for UNESCO site managers

• Promote and transfer of UNESCO relevant topics to schools, teacher training, and academic education

• Knowledge transfer in the form of scientific publications

Chair holder: Prof. Dr. Alexander Siegmund
Executive manager: Dr. Tobias Matusch
Contact: siegmund@ph-heidelberg.de / unescochair@ph-heidelberg.de

Space2Place – EO to Empower UNESCO Site Managers
Winner of the University Challenge 2016
Sustainable Heritage and Environmental Management – Nature and Culture

University of Bergen

Current areas of activity
• Establishing Norway’s first Biosphere Area under UNESCO’s Man and the Biosphere (MAB) programme
• Researching post-disaster resilience in rural Nepal
• Teaching natural science perspectives for sustainable development

Future activities to address the SDGs
• Bring natural and social sciences together to yield new knowledge for a green transition
• Enhance ecosystems and ecosystem services in areas under pressure and/or rapid change
• Find ways to sustainably manage the environmental goods and cultural heritage of Norhordland Biosphere area
• Promote environmental sustainability through the World Network of Biosphere Reserves

Co-Chair holder: Inger Elisabeth Måren
http://www.uib.no/personer/Inger.Elisabeth.Måren
Contact: inger.maaren@uib.no
UNESCO-Cousteau Eco-technie Chair on Conservation and Sustainable use of Steppe and Wetland Ecosystems Biodiversity

Current areas of activity
- Development of technologies for environmental monitoring
- Educational activities in environmental management and nature conservation
- Monitoring of biosphere territories in the South of Russia

Future activities to address the SDGs
- Consolidation of education, science and management in the field of environmental management and nature conservation
- Evaluation of modern condition of biodiversity of steppe and wetland ecosystems, their anthropogenic transformation and sustainability potential
- Providing inclusive and equitable quality environmental education

Chair holder: Prof. Sergey Kolesnikov
http://unescochair.sfedu.ru/
Contact: kolesnikov@sfedu.ru
UNESCO Chair on Application of the fundamental principles of the Earth Charter to create a sustainable community

Institute for Problems of Ecology and Mineral Wealth Use of Tatarstan Academy of Sciences

Chair holder: Dmitry Ivanov
http://www.ipen-anrt.ru/content/index.php/kafedra-yunesko
Contact: ipen-anrt@mail.ru

Current areas of activity
- Ecological values, traditions, and institutes
- Worldwide natural and cultural heritage
- Defense of human rights for favorable environment
- Ecological education and ecological initiatives

Future activities to address the SDGs
- Regional information system of natural recourses for sustainable development of territories
- Regional organic production system
- Ecological tourism programs for economic development
- New approaches to monitoring and water quality assessment on regional level
- Involvement of rural population to ecological education
Current areas of activities

- Research in Ecosystem Services (ES) and Urban Green Infrastructure (UGI)
- Teaching in Environment and Sustainability
- Spreading, sensitisation and cooperation in sustainability

Future activities to address the SDGs

- Research in the Urdaibai Biosphere Reserve
- Research projects: “Ecosystem Services Assessment of the Basque Country” and “Urban green infrastructure in the city of Bilbao”
- Master’s degree in Environment and Sustainability (60ECTS)
- Activities for dissemination of knowledges (FORUM de Sostenibilidad journal, publications, congress) in collaboration with public institutions, UNESCO networks and others.

Chair coordinator: Miren Onaindia
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UNESCO Chair on Sustainable Development and Environmental Education
University of the Basque Country
UPV/EHU

Current areas of activity
• Research in Ecosystem Services (ES) and Urban Green Infrastructure (UGI)
• Teaching in Environment and Sustainability
• Spreading, sensitization and cooperation in sustainability

Future activities for SDGs
• Research in the Urdaibai Biosphere Reserve
• Research projects: “Ecosystem Services Assessment of the Basque Country” and “Urban green infrastructure in the city of Bilbao”
• Master degree in Environment, Sustainability and SDGs (60ECTS)
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