ICRE8 Project Proposals

Sustainability Index at the Firm Level (SDGs)

- To develop a Sustainable Development Indicator (SDI) at the firm level which would provide investors in private and public sector projects with a screening tool for their investment choices indicating whether the outcomes of the strategies pursued by the underlying firms are in line with sustainable development. (SDGs)

- Methodology:

  - Identify the set of objectives of the desired development set in a way that reflects SD policy aspects and firm heterogeneity.

  - Propose flexible regulation mechanisms reflecting potential for policy action in terms of transfer payments or threshold levels.

  - Valid empirical data required.

Persephone

H2020 Research and Innovation Action

Budget: 1,000,000 euro

Integrating Information Technology, Economics and Social Sciences to Development Training Tools for Sustainable Agriculture

- The European Union 2020 strategy prioritizes smart, sustainable and inclusive growth. The core aims of Persephone are to produce an innovative gaming tool for use in supporting more sustainable approaches to agricultural activity, exploiting contemporary data on factors influencing and informing responsible agricultural production.

- The central business proposition of the project, i.e. the offering of a game-like, cloud-based, powered by science, simulation for agricultural skill building and decision support, which is well applicable to a number of use cases beyond the initial small scale experiments, is one of those opportunities, which can be adapted to other fields or can be broken down to its constituents to designate other business cases.

- The project seeks to prove and showcase the sustainability of this and potentially alternative - yet limited to a certain scope due to focus and resource allocation - business cases via the development of **a concrete, techno-economically sound, business plan** that will put to the avail of the public. (F**ree and open source platform**, that can be exploited in empowering new businesses, in the decision making, training or gaming landscape.

NECTARINE: Sustainable Food Security – Resilient and resource-efficient value Chains

Concept: Advances in theory, modelling and data gathering/interpretation, present new opportunities for understanding the dynamics and interactions in (and among) food value chains & networks. NECTARINE acknowledges and builds on those opportunities to deliver:

- evidence-based, enhanced understanding of food chains/networks' dynamics
- foresight-based, improved policy decision-making
- enhanced capacity of food value chain actors and relevant policies to achieve a more sustainable and resilient EU food system.

Total Budget: € 5.692.095

Call: EC H2020, Research and Innovation Action

Consortium: Centre For Research and Technology-GR, ICRE8- GR, Wagenigen University- NL, University of Life Sciences in Poznan- PL, Consiglio Nationale delle Ricerche- IT, Politecnico di Bari- IT, Waterford Institute of Technology- IR, Internationale Gesellschaft Fur Lebensmittelsicherheit Und Qualitatsmanagement- AT, Ortec Logistics Holding BV- NL, Zaklad Miesny Konarczak Sp. J.-PL, FILOTAS BELAS & SON S.A.-GR

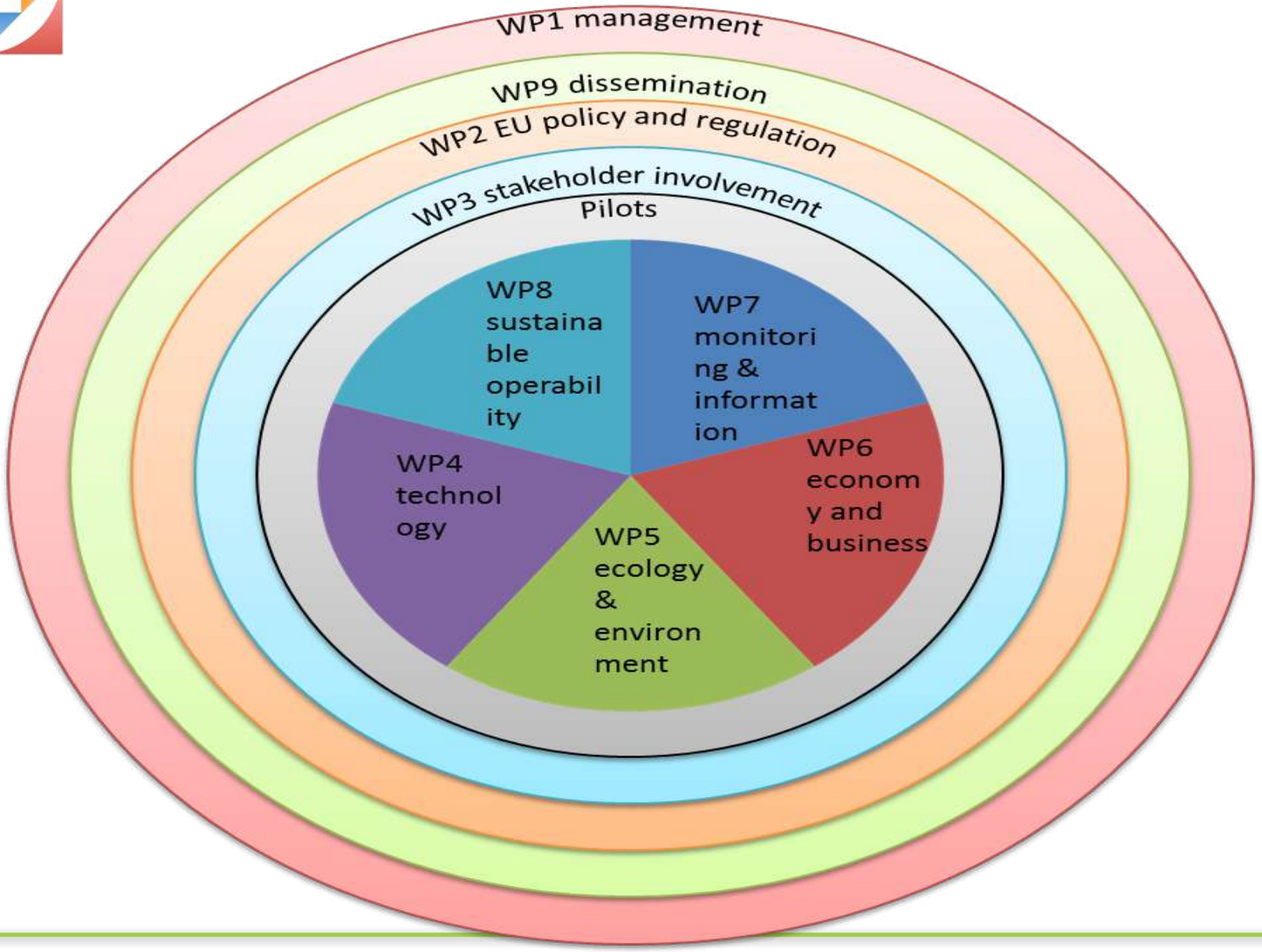
ICRE8 Role: Assess the price and information transmission through product value chains. Game theory, mathematical modelling, economic valuation, policy instruments.

MARUSE: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies

Call: BG-04-2017: Multi-use of the oceans marine space, offshore and near-shore: Enabling technologies

Consortium: AWI, ICRE8, Deltares, DHI, DTU, EOMAP, Ghent Universit, Belwind, C-power, et al.

ICRE8 Role: Socio-Economic Analysis, Risk Analysis, Business Plans, ISTHMUS – Corinth area - Mediterranean – Greece – platform for wind energy and fish aquaculture


WP1 management
WP9 dissemination
WP2 EU policy and regulation
WP3 stakeholder involvement
Pilots
WP8 sustainable operability
WP7 monitoring & information
WP6 economy and business
WP5 ecology & environment
WP4 technology

Framework Contract for services to move towards good environmental status of the European marine waters by implementing the Marine Strategy Framework Directive

Focus:
Provide technical and scientific advice on assessing the pressures and human activities, develop and apply ex ante and ex post valuation tools, develop methodological standards and technical guidance for monitoring and assessment of GES in a harmonised way at EU level and assess approaches and results of Member States

ICRE8 possible contributions:
- Development of methodological standards and technical guidance - Marine biodiversity.
- Assessing marine protected areas - Western Mediterranean.
- Assessment of the consistency of the programs of measures in the Mediterranean Sea.
- Organization of an exchange of best practices between the marine regions on biodiversity.
- Organization of a European Marine Conference (2 days, Brussel, ca. 400 pers.)

Relevance to resilience Athens: high (Coastal areas-Greece/Attica-Athens)

ICRE8

ICRE8
International Centre for Research
on the Environment & the Economy

Aristotle University of Thessaloniki

Division of Hydraulics and
Environmental Engineering
Department of Civil Engineering

Climate and Demographic Change Impacts on Groundwater Resources – IMPgRESS

Dr Nicolaos P. Theodossiou, Associate Professor
Director of the Div. of Hydraulics & Environmental Engineering
Dept. of Civil Engineering - Faculty of Engineering
ARISTOTLE UNIVERSITY OF THESSALONIKI
Tel - Fax: +302310 995660
Email: niktheod@civil.auth.gr
URL: http://niktheod.webpages.auth.gr

Aristotle University of Thessaloniki

Div. of Hydraulics and Environmental Engineering
Department of Civil Engineering

ERANETMED *is funded by the European Commission's 7th Framework Programme*

ERANETMED Second Joint Call on Environmental challenges and solutions for vulnerable communities in the Mediterranean Region

Aristotle University of Thessaloniki

Div. of Hydraulics and Environmental Engineering
Department of Civil Engineering

The project aims to:

- Assure adequate water supply addressing both the water demand and the supply side of the water balance

- Understand the mechanisms and estimate the impacts of climate and demographic changes on water resources

- Evaluate the effects of structural and non-structural adaptation measures in ensuring rational water resources management

- Estimate the interactions between water uses and water quantity and quality

- Project and ensure the future status of water resources under additional stresses resulting from global changes

CIP: CRETE IDEA Project

Concept: Miniature of Moorea Biocode Project (MBP) in Crete; Detailed inventory of local natural resources, as well as of the local ecosystem in a selected coastal zone of Crete with interaction and competitiveness for space and resources between Ecosystem services provided by the marine (coastal) environment and Human activities (mainly agriculture but tourism and aquaculture could be considered).

Call: LIFE+

Consortium: Institute of Marine Biology, Biotechnology & Aquaculture- Hellenic Centre for Marine Research; ATHENA ; Region of Crete

ICRE8 Role:

- Assessment of the current socioeconomic status of the zone
- Valuation of the natural resources and the benefits of the ecosystem based on the TEEB (Total Economic Value of Ecosystems and Biodiversity) approach
- Identification of the effects of the interactions between the marine (coastal) ecosystem and human activities
- Shared Socioeconomic Pathways (SSP) + Climate change scenarios

ΟΙΚΟΧΩΡΕΙΝ: Χαρτογράφηση των δυνατοτήτων ανάπτυξης στην παράκτια ζώνη, με οικοσυστημικά και κοινωνικό-οικονομικά κριτήρια

Total Budget: € 1.474.951,44

Call: INTERREG / EU

Consortium:
- Περιφέρεια Κρήτης (ΠΚ)-GR
- Τμήμα Αλιείας και Θαλασσίων Ερευνών Υπουργείου Γεωργίας, Αγροτικής Ανάπτυξης & Περιβάλλοντος (ΤΑΘΕ)-CY
- Ελληνικό Κέντρο Θαλασσίων Ερευνών (ΕΛΚΕΘΕ)-GR
- Εθνικό και Καποδιστριακό Πανεπιστήμιο Αθηνών (ΕΚΠΑ)-GR
- Ινστιτούτο Πληροφοριακών Συστημάτων/Ερευνητικό Κέντρο «ΑΘΗΝΑ» (ΑΘΗΝΑ)-GR
- Ενάλια Φύσις-Περιβαλλοντικό Κέντρο Ερευνών-CY

ICRE8 Researchers: Stella Tsani

ICRE8 Role: Κοινωνικό-οικονομική, πολιτική και περιβαλλοντική αξιολόγηση επενδύσεων

ADRIONPort: Harmonizing and optimizing best practices for the improvement of the environmental status and sustainable management in the Adriatic-Ionian region Ports

Total Budget: €1.343.500,00

Call: INTERREG / EU

Consortium: Hellenic Centre for Marine Research (HCMR)-GR, Technical University of Crete (TUC)- GR, Nacionalni inštitut za biologijo (NIB)-SI, Università del Salento (USalento)-IT, Athena Research and Innovation Centre in Information, Communication and Knowledge Technologies (ATHINA)- GR, Heraklion Port Authority (H.P.A)- GR

ICRE8 Role: Socio-economic/Institutional and legal characterization of the Adriatic-Ionian region ports

RECONNECT: Regional cooperation for the transnational ecosystem sustainable development

Total Budget: € 1.360.000,00

Call: INTERREG / EU

Consortium: Hellenic Centre for Marine Research (HCMR)-GR, Management Agency of Karpathos and Saria- GR, Institute of Biodiversity and Ecosystem Research (BAS)- BG, Laboratory of Marine Ecology of the Institute of Biodiversity and Ecosystem Research Department of Biological Sciences, University of Cyprus- CY, Department of Fisheries and Marine Research (Ministry of Agriculture, Rural Development and Environment) (DFMR)- CY, Faculty of Natural Sciences, University of Tirana- AL, International Centre for Research on the Environment and the Economy (ICRE8)- GR, Department of Biological and Environmental Sciences and Technologies, University of Salento- IT, Mediterranean Institute of Marine and Terrestrial Biodiversity and Ecology- FR

ICRE8 Role: Socio-economic indicators/Mapping and Evaluation of Marine Protected Areas

OPTiMUM: Optimization in Multi-Use of Marine Ecosystem Goods and Services (OPTiMUM)

Concept: Explore societal and management perspectives of changes to marine ecosystem goods and services within the context of a changing marine environment due to climate change; Study the trade-offs between different ecosystem goods and services given the expected changes to the marine environment and management needs in light of this.

Call: MARINFORSK 2016, Management and societal perspectives (SAMFUNN)

Consortium: SINTEF Fisheries and Aquaculture, Norway; University of Bergen, Norway; Scottish Association for Marine Science; ICRE8

ICRE8 Role: Elicit stakeholder valuation of Ecosystem goods and service

Deadline of Submission: September 7 (On ice for next call)

UK ASIA: Seasonal tourism, air pollution and health damage: the case of Bandung Metropolitan Area, Indonesia

Concept: Estimate the dose response function (the effect of air pollution on health); Estimate the monetary damage of the air pollution. The findings will help raise awareness of the urgency of health risks from air pollution and a call for more responsive policies.

Call: UK – Indonesia – Thailand - Vietnam Research Partnerships Call

Consortium: LSE; ICRE8; Siyaranamual Universitas Padjadjara, Bandung, INDONESIA; Indonesian Planning Agency, BAPPENAS; Bandung Institute of Technology

ICRE8 Role: Estimate the monetary damage of the air pollution

Deadline of Submission: August 10 (On ice for next call)

Green City Action Plan in Tirana

Concept: To assist the City of Tirana in developing and approving a Green City Action Plan that will comprehensively assess the priorities for the City's sustainable development in the short- and medium- term; encompassing all sectors under the EBRD's Green Economy Transition approach, while proposing concrete actions, plans and a roadmap that will lead to effectively achieving measurable results. In addition training and capacity building will be provided for City officials.

Call: Delivering Resource Efficiency Investments in the Western Balkans and Turkey (DRIVE) Programme Account - Green Cities

Consortium: ICRE8 and Hydromanagement Consulting Ltd

ICRE8 Role: Work to to assist the City of Tirana in developing and approving a Green City Action Plan that will comprehensively assess the priorities for the City's sustainable development in the short- and medium- term, encompassing all sectors under the EBRD's Green Economy Transition approach, while proposing concrete actions, plans and roadmap that will lead to effectively achieving measurable results.

Deadline of Submission: September 16th 2016

Open Data4SDGs

Concept: The aim of the proposed project is knowledge/innovation exchange and transfer between the global north and south by adapting the data innovations from the ongoing OpenAIRE-Connect project in Greece (http://icre8.eu/openaire-connect-h2020 - a satellite project of the OpenAIRE initiative that aims at providing off-the-shelf open science tools to research communities) to target the dearth of SDG data innovations in low in middle income countries by collaborating with the relevant National SDSN chapters. In this way SDGs data gathering will be synchronized and made consistent cross-regionally.

Call: Collaborative Data Innovations for Sustainable Development Pilot Funding

Consortium: ATHENA, ICRE8, SDSN-Greece, Nnamdi Azikiwe University, University of Ibadan, SDSN-Nigeria and SDSN-Global

ICRE8 Role: Will take the lead on project development, management and coordination. They will be responsible for stakeholder mapping, analysis, and management; gap analysis, feasibility reports, and organization of the dissemination events.

Deadline of Submission: September 1st 2016

Πρόγραμμα μείωσης στερεών δημοτικών αποβλήτων παραλιακών ξενοδοχειακών μονάδων και πλησίον συναφών χώρων παραγωγής αποβλήτων, για τους Δήμους Λάρνακας, Αγίας Νάπας, Παραλιμνίου

Total Budget: € 21.000

Funding Source: Τμήμα Περιβάλλοντος του Υπουργείου Γεωργίας, Αγροτικής Ανάπτυξης και Περιβάλλοντος

Consortium:

- ALA Planning Partnership
- ICRE8
- Individual experts

ICRE8 Researchers: Stella Tsani

Social Sciences and Humanities Support for the Energy Union (H2020)

Focus: Better understanding of the challenges relating to socioeconomic, gender, sociocultural, and sociopolitical aspects of the energy transition that are associated with social acceptability of the changes that the energy transition implies *(under construction)*

ICRE8 possible contributions:

- Examine case studies with focus on individual/collective choices and/or governance frameworks associated with energy transition. Some examples may include:
- Develop a decision support system that takes into consideration socioeconomic, sociocultural, and sociopolitical aspects that will assist governance of energy transition (local authorities/governments)
- Identify and quantify the impact of socioeconomic, sociocultural, and sociopolitical aspects associated with social acceptability of energy transition (this might overlap with what other partners do, so we might chose specific aspects for instance socio-cultural with focus on Mediterranean)

Relevance to resilience Athens: high (Refugee camps-Greece/Attica-Athens)

European Research Council Advance Research Grant

- With University of University of Gothenburg, Prof. Thomas Sterner
- Frontiers of Research on Economic Instruments to Regulate Climate Change

ICRE8 Involvement in Global and Mediterranean Initiatives

ICRE8 Hosts United Nations SDSN-Greece

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK
A GLOBAL INITIATIVE FOR THE UNITED NATIONS

Website: *unsdsn.org*

The **UN Sustainable Development Solutions Network (SDSN)** was launched in 2012, to mobilize global scientific and technological expertise to promote practical problem solving for sustainable development, including the design and **implementation of the Sustainable Development Goals (SDGs).**

The organization and governance of the SDSN aims to enable a large number of leaders from all regions and a diverse backgrounds to participate in the development of the network, while at the same time ensuring effective structures for decision making and accountability.

The **SDSN Leadership Council** acts as the board of the SDSN. A smaller **Executive Committee** oversees financial, programmatic, and other operational matters. Twelve Members of the SDSN are part of the SDSN Assembly and can participate in National or Regional SDSNs. The SDSN Secretariat is hosted by Columbia University with staff in Paris and New York.

Mediterranean Climate Change Initiative

SDSN Greece

Thematic Priorities

Action Plan

- **SDSN Greece Website**
- **Research e-library**
- **SDSN MED Conference**
- **Youth SDSN Greece**
- **Corporate training in SD**
- **EAERE and SDSN**

Mediterranean Climate Change Initiative (MCCI)

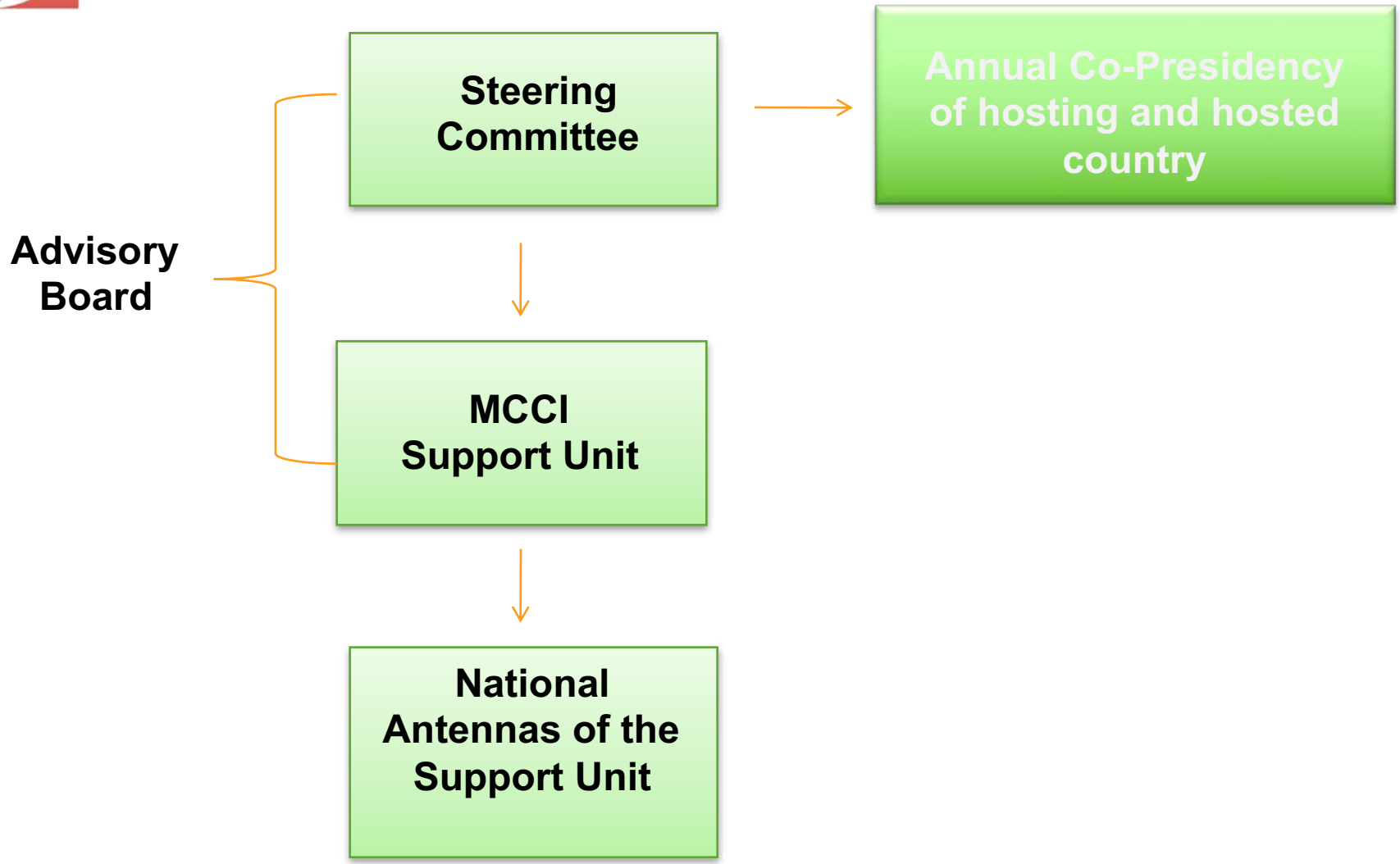
" MCCI aims to strengthen collaboration on convergent challenges and opportunities across the Mediterranean and place a greater focus on the implementation of Union for the Mediterranean projects in the Mediterranean region. " Joint Declaration 2010

Eighteen (18) Political Delegations, including eight (8) EU Member States (Bulgaria, Cyprus, France, Greece , Italy, Malta, Romania, Slovenia) together with Albania, Croatia, Egypt, FYROM, Israel, Mauritania, Montenegro, Palestinian National Authority, Serbia and Turkey, headed by four Prime Ministers and 13 Ministers, signed a Joint Political Declaration, thus formally establishing the MCCI

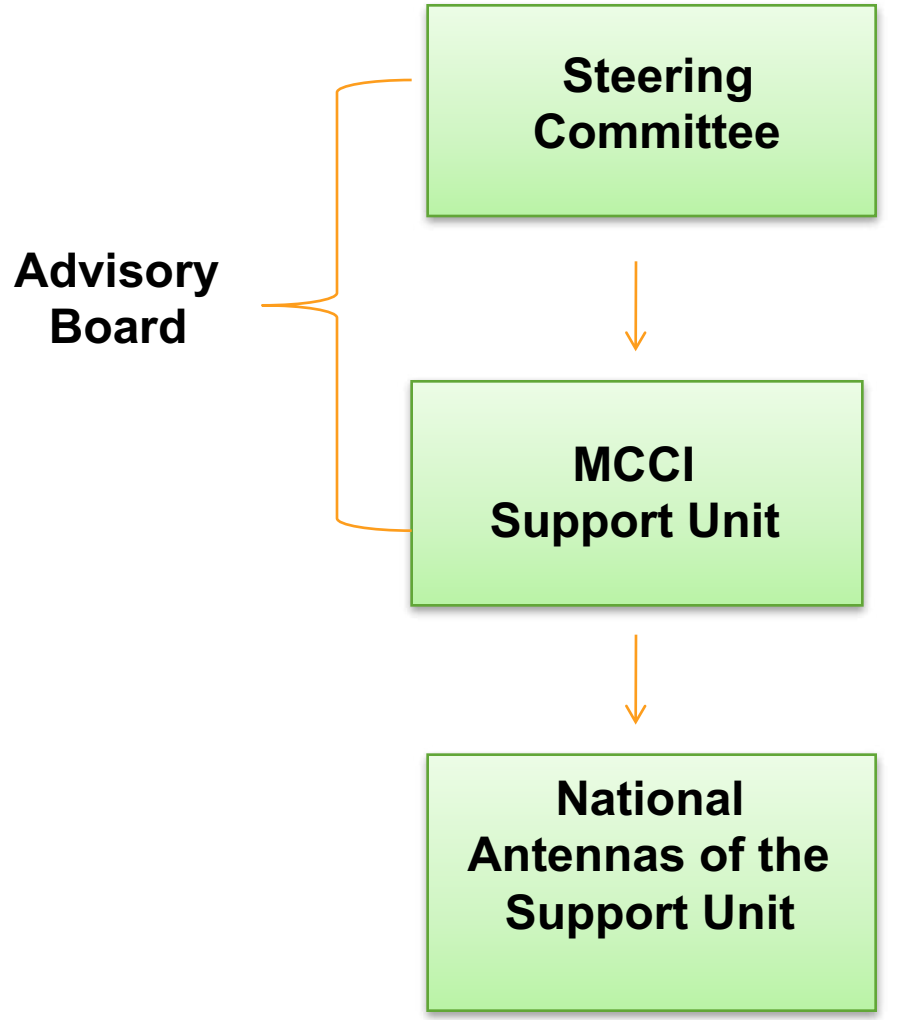
This initiative was fully supported by the European Union

MCCI Structure

MCCI Structure



MCCI Structure



Annual Co-Presidency of hosting and hosted country

Responsibilities

1. Set the Agenda
2. Requests Policy Documents, Projects updates, Reports etc. from MCCI SU
3. Ensures full participation of MED countries in MCCI activities
4. Establishes Working Groups

SDSN Greece Organizational Structure

Co-Hosting Institutions

ICRE8

University of Athens
(Political Economy of Sustainable Development Lab)

Co-Chairs
Prof. Phoebe Koundouri
Prof. Andreas Papandreou

Project Manager
Klea Morianou

Youth Representative SDSN Greece
Amerissa Giannouli

Executive Council

- **Prof. Yannis Ioannides**
- **Prof. Phoebe Koundouri**
- **Prof. Andreas Papandreou**

Leadership Council

- **Policy-Making & Politics**
- **Business**
- **NGOs**

SDSN Greece Organizational Structure

Leadership Council

Policy-Making & Politics

Kostas Bakoyannis, Regional Governor of Central Greece

Maria Damanaki, Global Managing Director, Oceans

Nikiforos Diamantouros, ex Ombudsman for EU

Stavros Dimas, ex European Commissioner for the Environment

Giorgos Kaminis, Mayor of Athens, ex Greek Ombudsman

Louka Katseli, Chair of the Board, National Bank of Greece

Maria Arvaniti Sotiropoulou, President of the Greek Affiliate of IPPNW

SDSN Greece Organizational Structure

Leadership Council

Business

Eleni Andreadis, Sani (Resort), founder of planetagents.org

Leonidas Cambanis, Initiative for Heritage Conservation, Hydrousa Shipping

Anastasios David, VP of Coca-Cola HBC AG

Theodore Fessas, President of SEV - Hellenic Federation of Enterprises

Achilles Konstantakopoulos, chairman and CEO of TEMES

Thanasis Martinos, CEO of Eastern Mediterranean Maritime Limited

Alexandra Papalexopoulou, Director of Titan Cement Company SA

Stathis Potamitis, Managing Partner, PotamitisVekris (commercial law firm)

Eftihis Vassilakis, VP of Aegean Airlines

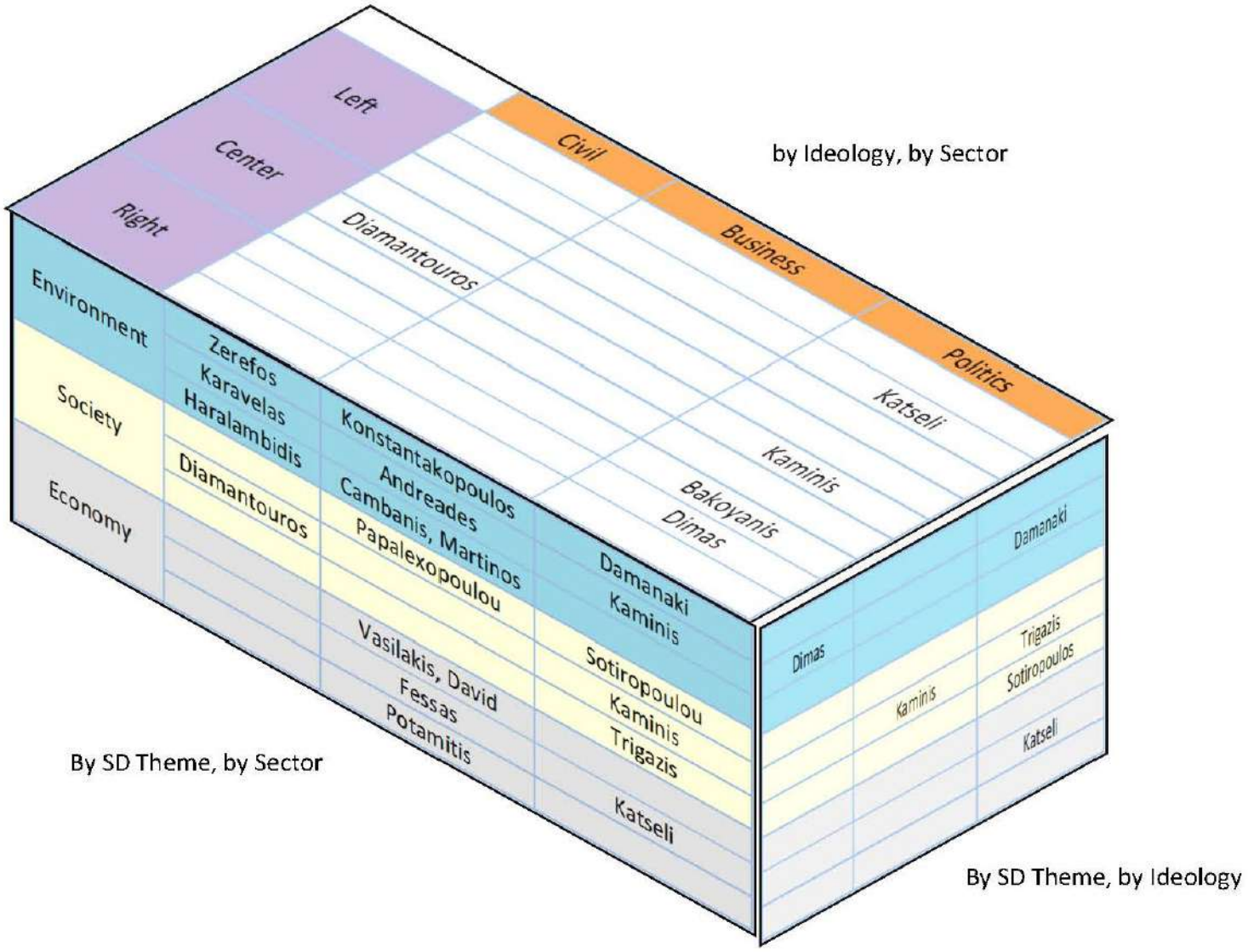
SDSN Greece Organizational Structure

Leadership Council

NGOs

- Nikos Haralampidis, Greenpeace Greece
- Nikitas Kanakis, Doctors of the World
- Dimitris Karavelas, WWF Greece
- Ahmet Moavia, Greek Forum of Migrants
- Panos Trigazis, Greek Medical Association for the Protection of the Environment and Against Nuclear and Biochemical Threat (GMA)
- Christos Zerefos, astrophysics professor, IPCC

Leadership Council Mapping



SDSN Greece: Thematic Priorities

Thematic Priority

Natural Capital Valuation; Ecosystems, Water and Biodiversity:

Inland, Coastal, Ocean

This thematic priority embraces 9 SDG's:

SDSN Greece: Thematic Priorities

Thematic Priority

Sustainable Development in Times of Crisis

Interlinked themes: Economic crisis, Poverty, Refugees, Democracy

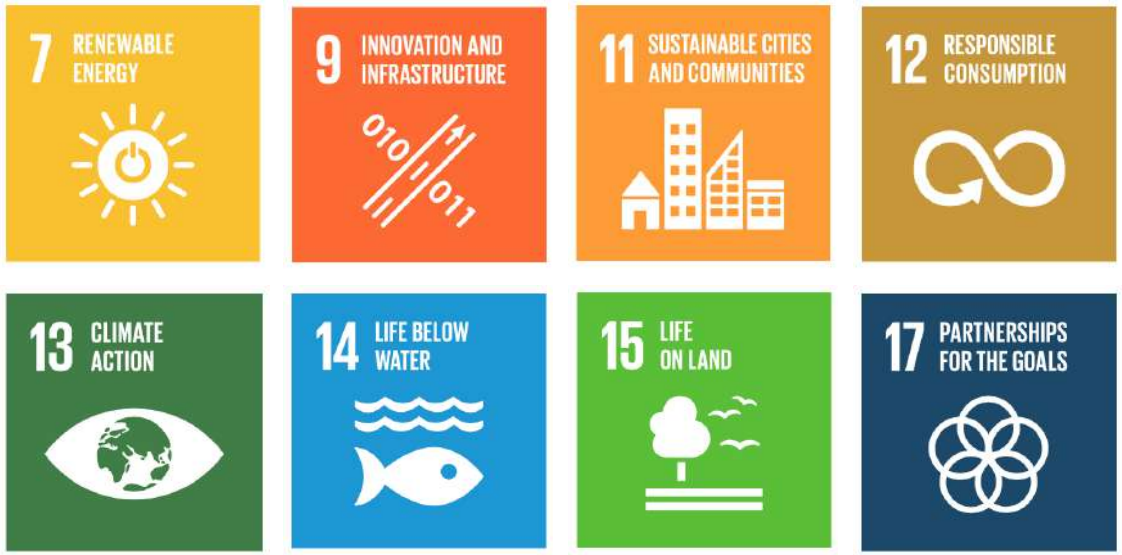
This thematic priority embraces 12 SDG's:

SDSN Greece: Thematic Priorities

Thematic Priority

Climate Change: Mitigation and Adaptation Policies

This thematic priority embraces 8 SDG's:



Website of SDSN Greece

A beta version of the website is currently hosted in the ICRE8 website, (restricted access).

It includes:

- UN SDSN (Brief presentation)
- UN SDSN Greece
- SDSN Greece Thematic Priorities and related projects of Co-hosting Institutions
- Proposed initial LC

The final release will include the E-library.

Webpage screenshot

Research e-library

All past **20 years completed and ongoing projects of Greek Institutions** that are relevant to the 3 thematic priorities and the 17 SDGs.

Access projects, based on:

- **Thematic or SDG relevance**
- **Location of study area**
- **Involved Institutions**
- **Keywords**

2016 UN SDSN MED Conference in Greece

Key Note Speakers

Day 1

Day 2

Youth SDSN Greece

Complements the efforts of existing organizations working towards sustainable development.

Promotes youth participation in policy making

Develops a platform of discussion and communication for youth and otherwise

Supports social innovation targeting at education for all

First Steps..

- Education on Sustainable Development for all: **Thematic Workshops and Events** organized by High School and University Students

- Coordinate **Youth SDSN Greek forum** and use social media for promoting the SDGs and inform the public about important socio-economic issues

Corporate training in SD

Organize SD Training Program, together with CSR HELLAS

ICRE8 Conferences

In addition to the Mediterranean SDSN Conference mentioned in the previous section

EAERE 23

2017 Athens Greece

28 June – 01 July

Megaron Athens International Conference Centre

GALA DINNER

See you in Athens

www.eaere-conferences.org/2017

Call for papers

You are invited to submit theoretical and applied papers in all areas of environmental and resource economics.

Co-Chairs of Scientific Program Committee: Phoebe Koundouri, Sir Partha Dasgupta

Keynote Speakers: Graciela Chichilnisky, Maria Damanaki, Karine Nyborg, Jeffrey Sachs TBC

VENUE

SOCIAL EVENT

Local organizer

International Centre for Research on the Environment and the Economy
www.icre8.eu

European Association of Environmental and Resource Economists
www.eaere.org

In collaboration with

Athens University of Economics and Business

National and Kapodistrian University of Athens

ATHENA Research and Innovation Center

Under the auspices

CITY OF ATHENS

ICRE8 newsletters, publications and seminar series:

- 1st newsletter:

https://www.dropbox.com/s/9tyi3th8tguu0rn/ICRE8.newsletter.pdf?dl=0

- 2nd newsletter:

https://www.dropbox.com/s/viqvi4b4sa0dqgi/Newsletter.2.pdf?dl=0

- Publications:

http://icre8.eu/publications

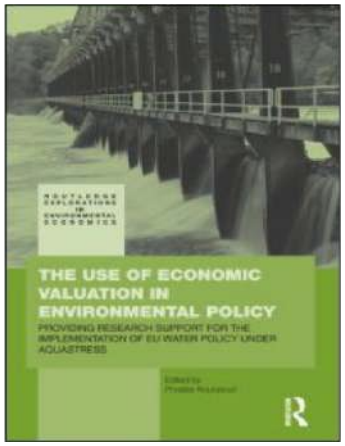
- Seminar Series:

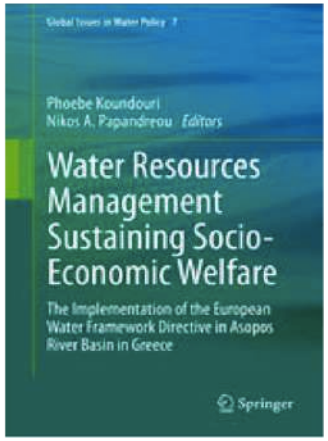
http://icre8.eu/seminars-presentations

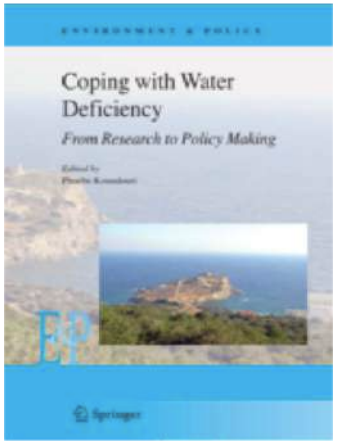
Contact us @ klea.morianou@icre8.eu

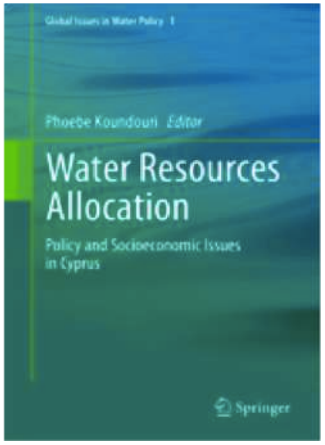
ICRE8 Research Centre
Aigialias 48 & Epidavrou,
Maroussi, Athens, Greece.
15125
+30 (210) 687-5346
info@icre8.eu

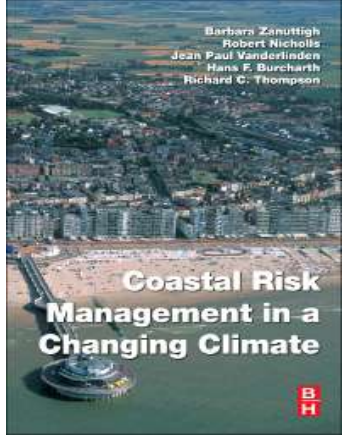
Published and Forthcoming Books

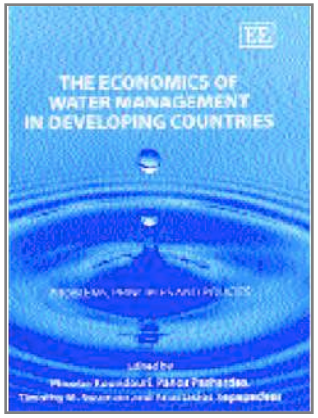


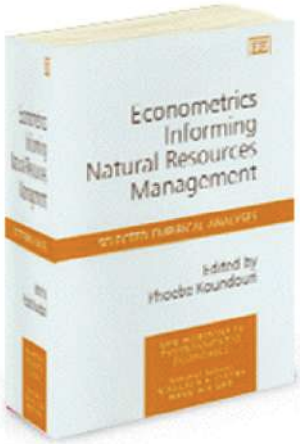


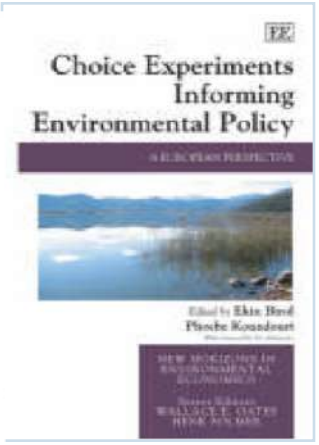


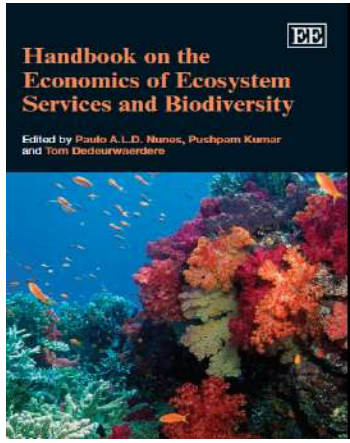


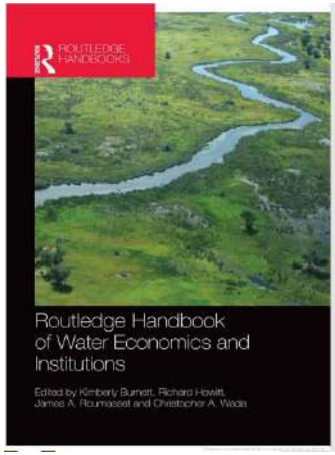












Forthcoming:

- Koundouri, P. (editor) Innovative Multi-Purpose Offshore Platforms: Economic Engineering and Ecological Perspectives. Springer Publishing, 2015.
- Koundouri, P. (editor) The Economics of Marine Energy Production: A framework of analysis and its application in European oceans. Springer Publishing, 2015.
- Markandya, A., and Koundouri, P. (editors) Fisheries Policy and Management. World Scientific Publishing, 2016.
- Koundouri, P. (editor) Handbook on Ecosystem Services and Water Resources Management. Cambridge Uni Press.