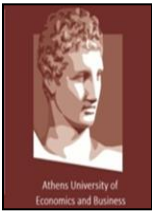


Sustainable Blue Growth:

UN Sustainable Development Solutions Network Greece

PROF. DR. PHOEBE KOUNDOURI (BA, MPhil, MSc, PhD CAMBRIDGE)

Personal Webpage: www.icre8.eu/founder-scientific-director



Professor and Director of ReSEES Laboratory, School of Economics,
ATHENS UNIVERSITY OF ECONOMIC AND BUSINESS (www.aueb.gr)



Director of Research, ICRE8 : INTERNATIONAL CENTER FOR
RESEARCH ON THE ENVIRONMENT AND THE ECONOMY
(www.icre8.eu)



Senior Research Fellow, CCCEP,
LONDON SCHOOL OF ECONOMICS w.cccep.ac.uk/people/)



Co-Chair, United Nations Sustainable Development Solutions
Network - Greece (www.unsdsn.gr)

Agenda 2030 for Sustainable Development

United Nations Sustainable Development Solutions Network

SDSN was launched in 2012 by UN Secretary General Ban-Ki Moon, in order to mobilize global scientific and technological expertise to promote practical problem solving for sustainable development



Sept. 7 - 8, 2017 | Athens, Greece

3rd SDSN Mediterranean Conference & Official Launch of



Co-Chairs:

Prof. Phoebe Koundouri

Prof. Andreas Papandreou

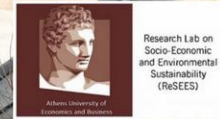
Keynote Speaker: Prof. Jeffrey D. Sachs



Co-Hosting Institutions

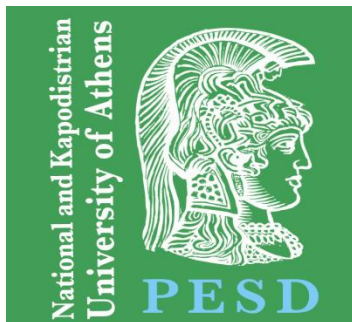


Partners



International Centre for
Research on the Environment
and the Economy (ICRE8)

www.icre8.eu



University of Athens
Political Economy of Sustainable
Development Lab (PESD)

<http://pesd.econ.uoa.gr>

Website: www.unsdsn.gr

Co-Chairs

Prof. Phoebe Koundouri

Prof. Andreas Papandreou

Leadership Council

Business, Politicians, NGOs, Policy
Making

Youth Section

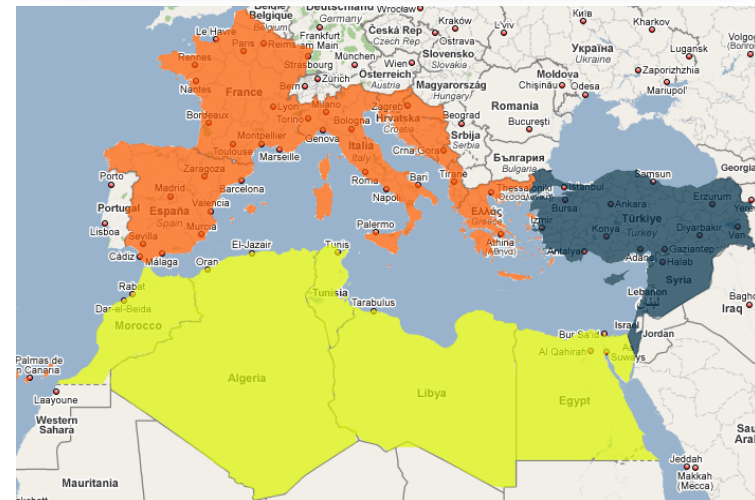
Christina Christoforou Livani



Contextualizing the SDGs for the Mediterranean Region:

Regional priorities for the Mediterranean:
How do they translate to SDGs?

1. Ensuring sustainable development in marine and coastal areas
2. Promoting resource management, food production and food security through sustainable forms of rural development
3. Planning and managing sustainable Mediterranean cities
4. Addressing climate change as a priority issue for the Mediterranean
5. Transition towards a green and blue economy
6. Improving governance in support of sustainable development



Where do the Mediterranean countries stand relative to the SDGs?

- 2017 SDG Indicator Dashboard and report.
- The report generates “rough grading” for all countries to draw attention to the most urgent SDG related challenges facing each country for each SDG.



Where do the Mediterranean countries stand relative to the SDGs?

Country	2017 Global SDG Index Score	Country	2017 Global SDG Index Score
Czech Republic	81.9	Cyprus	70.6
Slovenia	80.5	Israel	70.1
France	80.3	Albania	68.9
Hungary	78.0	Russia	68.9
Belarus	77.1	Algeria	68.8
Croatia	76.9	Tunisia	68.7
Slovakia	76.9	Turkey	68.5
Spain	76.8	Montenegro	67.3
Poland	75.8	Morocco	66.7
Italy	75.5	Jordan	66.0
Moldova	74.2	Bosnia & Herzegovina	65.5
Romania	74.1	Lebanon	64.9
Greece	72.9	Egypt	64.9
Ukraine	72.7	Syria	58.1
Bulgaria	72.5	Iraq	56.6

European – Mediterranean Countries 2017 SDG Index Score

European Mediterranean Countries	Country	Global Index Score	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE AND JUSTICE STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Slovenia	80.5	Green	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Red	Red	Yellow	Yellow	Yellow
	France	80.3	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Yellow	Yellow	Yellow
	Croatia	76.9	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
	Spain	76.8	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Yellow	Yellow	Red	Red	Red	Red	Yellow	Yellow
	Italy	75.5	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Yellow	Yellow	Red	Red	Red	Yellow	Red	Yellow
	Greece	72.9	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Yellow	Yellow	Red	Red	Red	Yellow	Yellow	Yellow
	Cyprus	70.6	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Red	Red	Red	Green	Yellow	Red
	Albania	68.9	Green	Red	Red	Yellow	Yellow	Yellow	Yellow	Red	Red	Green	Yellow	Yellow	Yellow	Red	Yellow	Red	Yellow
	Turkey	68.5	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Red	Red	Yellow	Yellow	Yellow	Red	Red	Yellow	Yellow
	Montenegro	67.3	Green	Yellow	Red	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Red	Yellow	Red	Red	Yellow	Green

AVERAGE Global Index Score for European Mediterranean Countries: 73.1

A sea of shared challenges and opportunities



Jobs



Value



Sustainability

Blue Economy



European Blue Growth Initiative

Seas & oceans are drivers for the European economy and have great potential for innovation & growth.



Blue Growth is the long term strategy of the EU to support sustainable growth in the marine and maritime sectors: achieving the goals of the Europe 2020 strategy for smart, sustainable and inclusive growth. It relates directly to SDG 14 of Agenda 2030.

The 'blue' economy represents:

- **5.4 million jobs**
- **gross added value of almost €500 billion a year**

while further growth is possible in a number of areas which are highlighted within the strategy.

European Blue Growth Initiative

1. Develop sectors that have a high potential for sustainable jobs and growth, such as:

a. [aquaculture](#); b. [coastal tourism](#); c. [marine biotechnology](#); d. [ocean energy](#); e. [seabed mining](#)

2. Essential components to provide knowledge, legal certainty and security in the blue economy

a. [marine knowledge](#) to improve access to information about the sea;
b. [maritime spatial planning](#) to ensure an efficient and sustainable management of activities at sea; c. [integrated maritime surveillance](#) to give authorities a better picture of what is happening at sea.

3. Sea basin strategies to ensure tailor-made measures and to foster cooperation between countries:

a. [Adriatic and Ionian Seas](#); b. [Arctic Ocean](#); c. [Atlantic Ocean](#); d. [Baltic Sea](#); e. [Black Sea](#); f. [Mediterranean Sea](#); g. [North Sea](#)

SDSN Greece Research:



*Achieving Natural Resources, Economic, Social Sustainability by developing scientific and methodologically sound approaches to recognizing, demonstrating and capturing the **Total Economic Value** of natural resources and other public goods important for social welfare, integrating them in sustainable **management tools and policy making**, while recognizing the **interdisciplinary** nature of the challenge.*

- **40 million Euro** of research funding
- **500 published peer-reviewed research papers and books**
- Funding received from the European Commission (**FP4, FP5, FP6, FP7, Horizon2020**), **DG Environment, Numerous Governments and the Private Sector**
- Research influenced **policy** & attracted mass **media** coverage all over the world

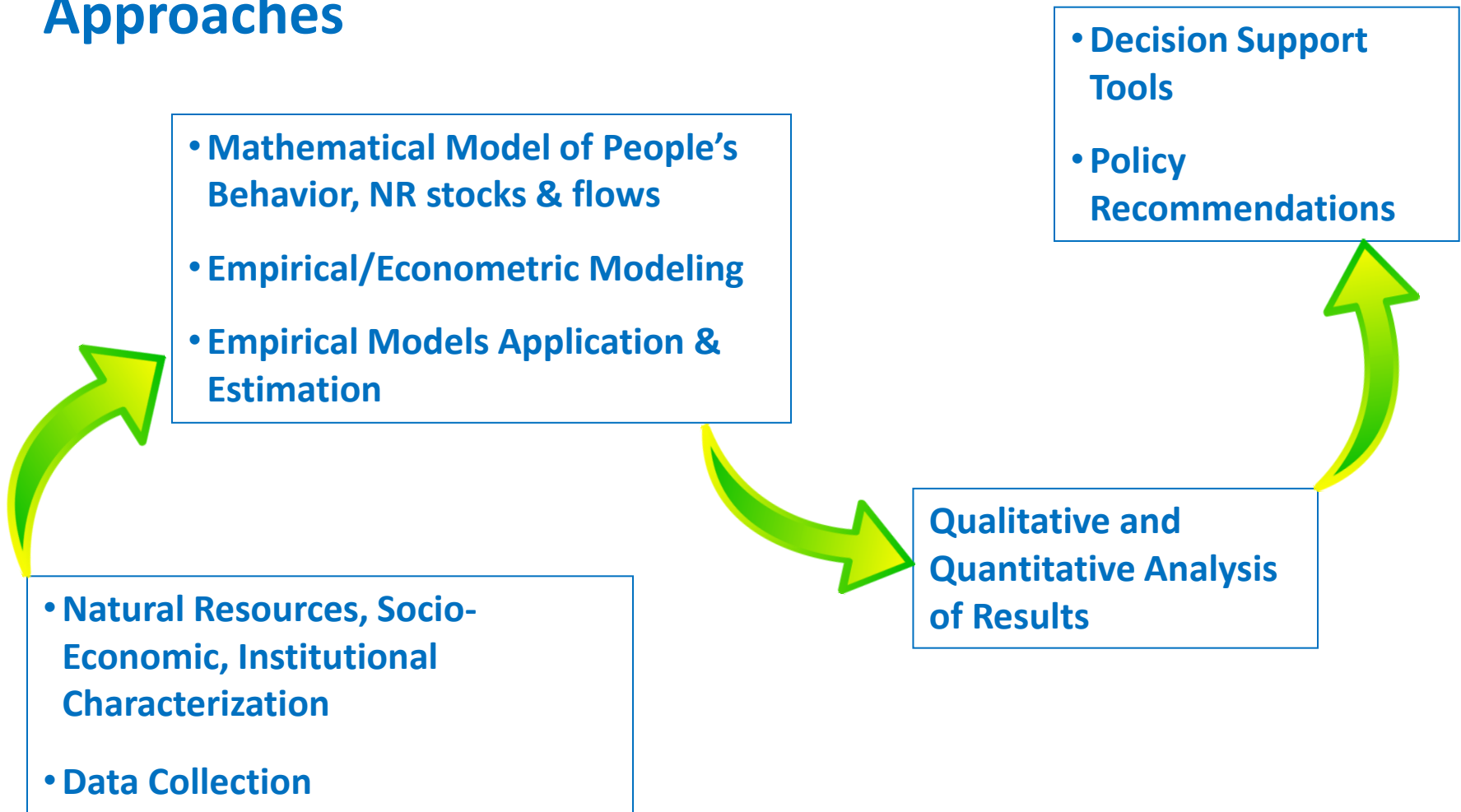
Location of SDSN Greece projects



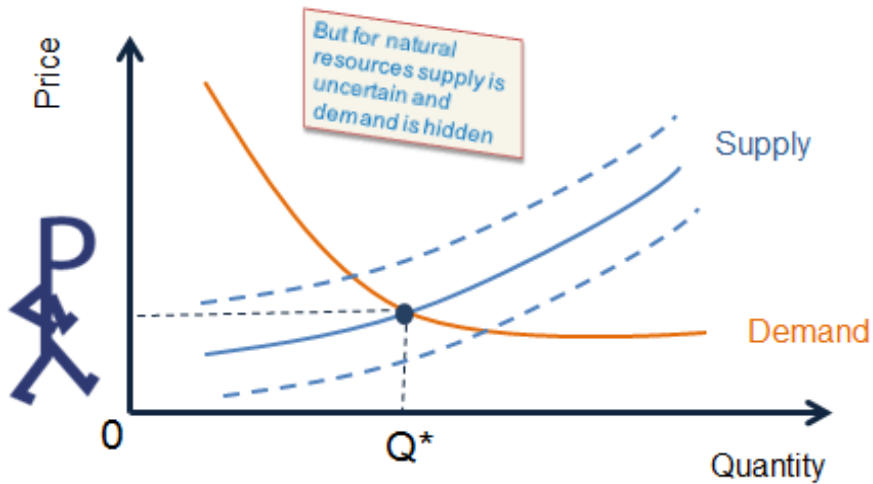
Marine Coastal Management	
Inland Water Management	
Renewable Energy	
Climate Change	
Discount Rate	
Biodiversity	
Forest Management	
Waste Management	
Nuclear Energy	

Stages of Analysis

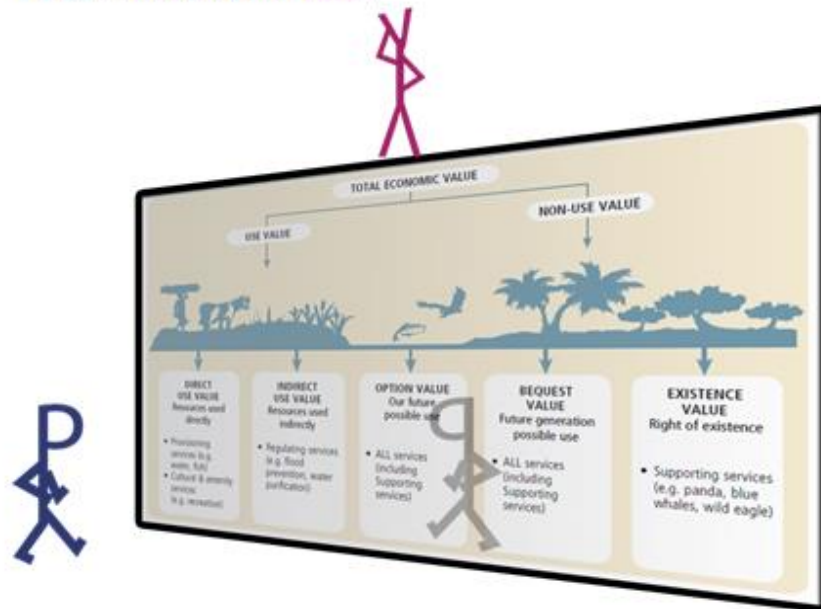
Approaches



Market Interaction Makes Value Explicit

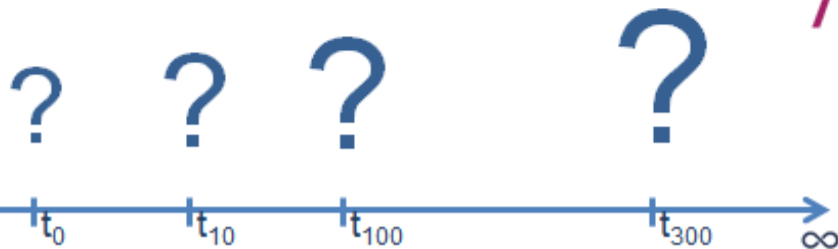


Price should mirror Value



We need  for EACH

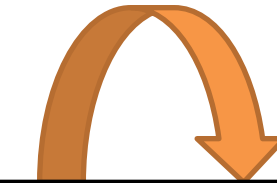
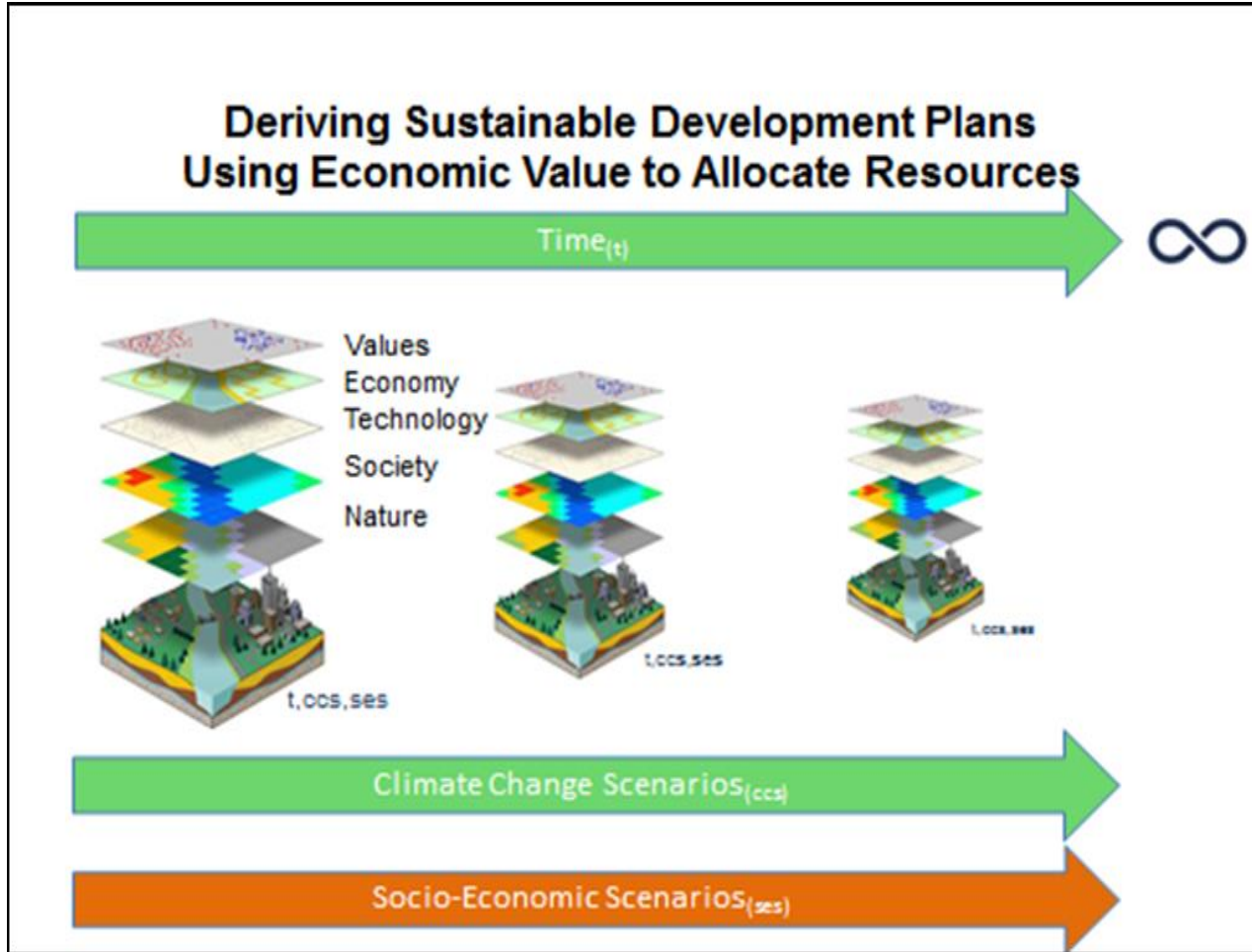
- Resource (r)
- Individual (i)
- Space (s)
- Time (t) from today till ∞



If you can't
measure it,
you can't
improve it

(William Thomson, Lord Kelvin)

Implementing Social Welfare Increasing Sustainable Solutions



**Nature Based
Solutions**

**Infrastructural
Solutions**

Socio-Economic Tools

Pricing
Tradable permits
Quotas
Taxes/subsidies
Charges
Direct Controls
Educational/Awareness
Campaigns
Voluntary Agreements
Legal Instruments
Investments

Our Books





Self-destructing
Rotations

Sustainable
Rotations

SDSN-Greece Thematic Priorities

Natural Capital Valuation: Sustainable Investment Allocation

Climate Change: Mitigation and Adaptation Policies

Sustainable Development in Times of Crisis

1) Natural Capital Valuation: Sustainable Investment Allocation



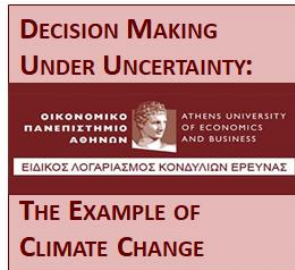
Indicative Projects



2) Climate Change: Mitigation and Adaptation Policies



Indicative Projects



3) Sustainable Development in Times of Crisis



Indicative Projects



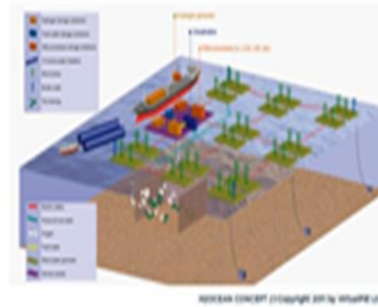
Sustainable Energy and Resource Management

OCEANS of TOMORROW, EC-DG Research-FP6; Budget: 20,000,000



Development of a wind-wave power open-sea platform equipped for hydrogen generation with support for multiple users of energy

<http://www.h2ocean-project.eu/>



Innovative multi-purpose offshore platforms: planning, design and operation

<http://www.mermaidproject.eu/>

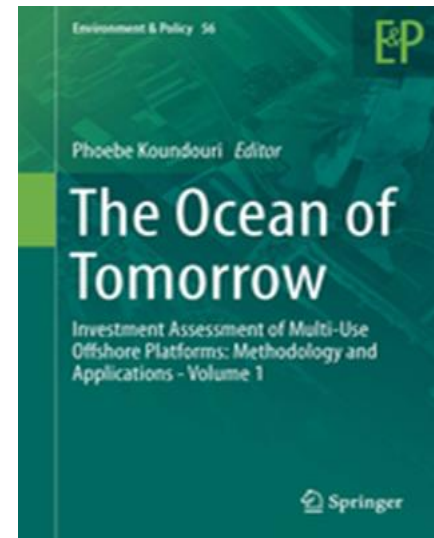


Modular multi-use deep water offshore platform harnessing and servicing Mediterranean, subtropical and tropical marine resources

<http://www.troposplatform.eu/>



Innovative Multi-purpose offshore platforms: planning, design & operation





Sustainable Energy and Resource Management



The BlueBRIDGE Project –
Addressing the Blue Societal Challenge
H2020. Budget: 10,000,000 euro

Building Research environments fostering Innovation, Decision making, Governance and Education to support Blue growth

<i>Supporting assessment of stocks and fisheries</i>	<i>Improving performance and sustainability in aquaculture</i>	<i>Monitoring fisheries & habitat degradation</i>

Many Past & Ongoing Marine Projects Below List of Ongoing

- **THESEUS:** Innovative technologies for safer European coasts in a changing climate (FP7)
- **OCEANS OF TOMORROW:** Multi-Use Offshore Platforms for Sustainable Blue Growth (FP7)
- **BLUEBRIDGE:** Building Research environments fostering Innovation, Decision making, Governance and Education to support Blue growth (H2020)
- **RECONNECT:** Regional cooperation for the transnational ecosystem sustainable development (INTERREG)
- **MARINE SPATIAL PLANNING** (Ministry of Env, Govt of Cyprus)
- **FISH ON A CHIP:** Innovative Technologies at the Service of the Aquaculture, Fisheries & Research Sectors (H2020)
- **COASTAL:** Collaborative Sea Integration Platform (H2020)
- **BLUEGREENGOV:** Blue-green integrated governance tools for growth (H2020)



www.unsdsn.gr



Hosting Institutions

Our Projects

