



Consiglio Nazionale delle Ricerche

IRCES

ISTITUTO di RICERCA sulla CRESCITA ECONOMICA SOSTENIBILE
RESEARCH INSTITUTE on SUSTAINABLE ECONOMIC GROWTH

Il contributo delle scienze economiche e sociali alle sfide ambientali

Secondo Rolfo
Direttore

Roma, 21 dicembre 2015



CERIS/IRCrES in the European Topic Centres (short history)

- **2001-2003: ISPRI/CERIS** partner of **ETC/WMF** (European Topic Centre on Waste and Material Flows), in cooperation with **APAT** (Italian Environmental Agency)
- **2004-2008: CERIS** partner of **ETC/RWM** (European Topic Centre on Resource and Waste Management), in cooperation with **APAT** (Italian Environmental Agency)
- **2009-2014: CERIS** partner of **ETC/SCP** (European Topic Centre on Sustainable Consumption and Production)
- **2014-2018: CERIS/IRCrES** partner of **ETC/WMGE** (European Topic Centre on Waste and Materials in a Green Economy)

European Topic Centre on Waste and Materials in a Green Economy (ETC WMGE)

- Vito, Belgium - Lead
- CENIA, Czech Republic
- • IRCrES-CNR, Italy
- CSCP, Germany
- OVAM, Belgium
- • SEEDS, Italy
- VTT, Finland
- Wuppertal Institute, Germany
- World Spotlight Ltd., United Kingdom



Supports the EEA through analysis, development and updating of indicators, work on the European Reference model on waste, policy analysis, Eionet relations, etc.

1 July 2014 – 30 June 2018

<http://etc-wmge.vito.be/>

What IRCrES does at ETC/WMGE (1)

WPs of the Multi-annual program:

- **WP WaMa:** Waste management ('European waste model')
- **WP WaPr:** Waste prevention
- **WP PCS:** Circular economy briefing
- **WP GE:** Sectoral integration and the green economy (Joint leadership with SEEDS)

IRCrES in WP WaMa Waste management

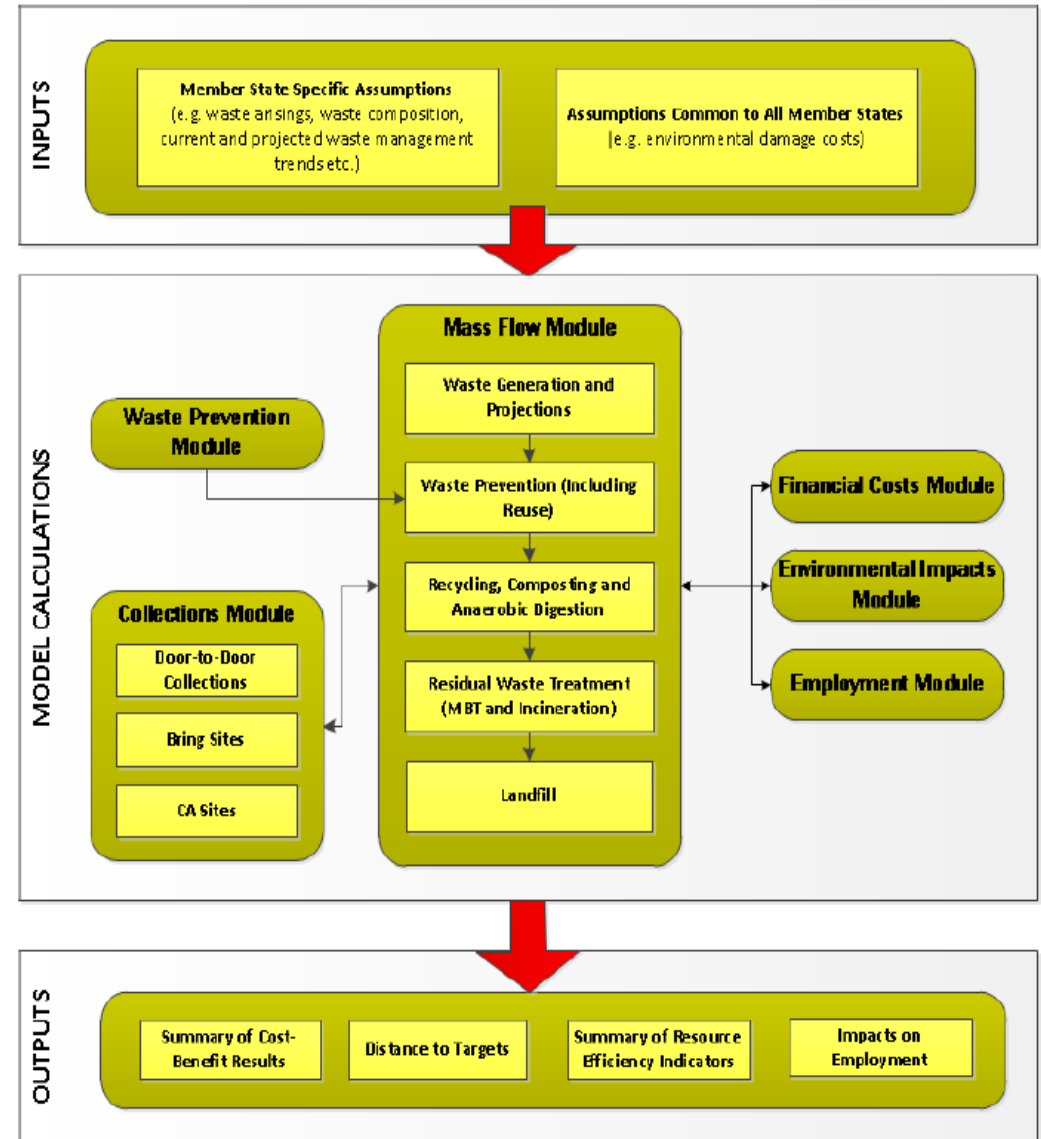
Circular Economy Package

(i) *Communication "Towards a circular economy: a zero waste programme for Europe"*

(ii) *Proposal for a Directive amending Directives 2008/98/EC on waste,*

Under revision: new Commission, different orientation

- **Impact assessment of the new Waste Directive**
- **European Reference Model for Waste (MSW)**
- *Model produced by Eunomia et al.*
- **Now managed by EEA and ETC/WMGE (VITO, VTT, IRCrES)**



IRCrES in WP GE: Sectoral integration and the Green Economy (1/2)

From GE activities in ETC/SCP:

- EEA, 2013, *Towards a green economy in Europe. EU environmental policy targets and objectives 2010–2050*, EEA Report No 8/2013, European Environment Agency, Copenhagen (Mike Asquith, Stefan Speck, Susanna Paleari, Roberto Zoboli, contributors: Giovanni Marin and Anna Montini)
<http://www.eea.europa.eu/publications/towards-a-green-economy-in-europe>
- EEA, 2014, *Resource-efficient green economy and EU policies*, EEA Report 2/2014, European Environment Agency, Copenhagen (Nicolli F., Marin M., Mazzanti M., Miceli V., Paleari S., Speck S., Zoboli R.)
<http://www.eea.europa.eu/publications/resourceefficient-green-economy-and-eu>



IRCrES in **WP GE**: Sectoral integration and the Green Economy (2/2)

2015 program, 6 Sub-tasks

- **1: Labour-related and social aspects of the green economy**
- **2: Focus on the chemical industry in the green economy**
- **3: Waste-based industries in the circular economy**
- **4: Market-based instruments (MBIs) and green/environmental fiscal reforms**
- **5: Finance for the green economy**
- **6. Contribute to the Circular Economy Briefing 2015**

Networking results

FP7 EMinInn, 2011-2015

- CERIS/IRCrES in FP7 project '**EMInInn: Environmental Macro Indicators of Innovation**', ENV.2011.3.1.9-3 - *Macro-level Indicators to monitor the environmental impact of innovation*
- **Leader of WP8**: Waste and recycling
- **Partner in: WP3**: Analytical framework; **WP9** Macro models; **WP10**: Policies
- Stable relations with:



Proposals Horizon 2020

Eco-innovation and related topics

With international consortia

- **ACCESSIBLE** - *Assessing Climate Change Effects: Strategies for Sustainability Towards Innovation-Based Low-Carbon Economies* (2014, 26 partners, **NOT FUNDED**)
- **NEXT round on 'Systemic eco-innovation' 2016**
"The new European Framework Programme for Research & Innovation "Horizon 2020" encourages the transition to a systemic eco-innovation" (EC, 2014)

In cooperation with IIA-CNR – Istituto Inquinamento Atmosferico (and IRCrES Moncalieri)

- **iPRODUCE** - *improving PROductivity and Disease control Using Customised Electrospun formulates* (May 2015, 12 partners)
- **ISAAC** - *Increasing Social Acceptance and Awareness of biogas* (April 2015, 5 partners)

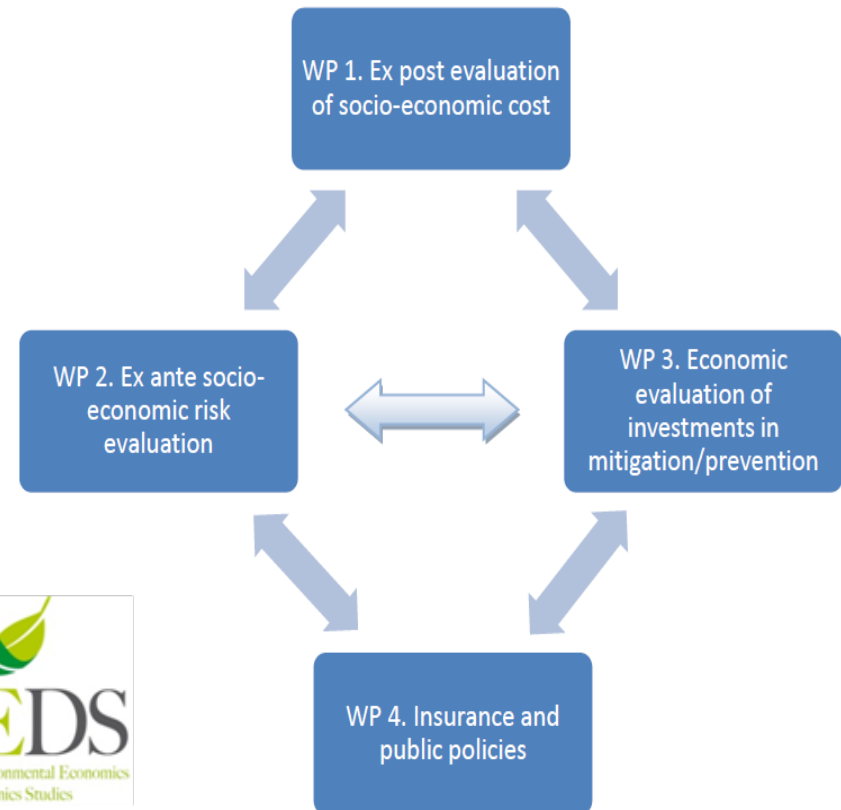
La valutazione economica dei disastri naturali in Italia [Economic evaluation of natural disasters in Italy]

(CERIS and SEEDS), 2013-2016

Sponsored by Fondazione Generali

Four levels of evaluation

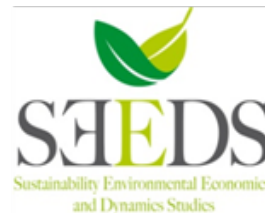
- Core objective:
economic evaluation
*but truly inter-
disciplinary*



Istituto di Ricerca per la
Protezione Idrogeologica
via della Madonna Alta, 126
06128 Perugia
Tel. +39 075 5014 411
Fax +39 075 5014 420



ISTITUTO di RICERCA sulla CRESCITA ECONOMICA SOSTENIBILE
RESEARCH INSTITUTE on SUSTAINABLE ECONOMIC GROWTH



Sustainability Environmental Economics
and Dynamics Studies



Istituto per la Dinamica
dei Processi
Ambientali Consiglio
Nazionale delle Ricerche

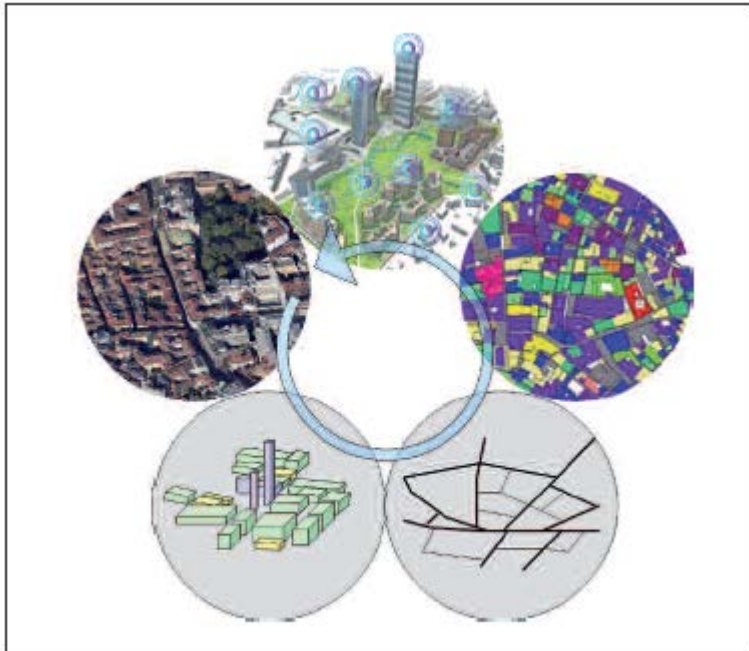


Istituto Nazionale di Geofisica e Vulcanologia - Sezione di Milano-Pavia

INTEGRATE

Innovazioni Tecnologiche per una gestione razionale del tessuto edilizio

- Accordo Quadro Regione Lombardia - Consiglio Nazionale delle Ricerche, 2013-2015
- Leader ITC - *Istituto di Tecnologia delle Costruzioni*, IRCrES partner



ITC and IRCrES

WP 3.1 Sustainability
*assessment of urban areas
through a multicriteria
decision support system*

*A system of indicators
(env., urban, social,
economic, institutional)
within a DSS (October
2015)*

RITMARE/Benthis

(IRCrES Moncalieri and Milan), 2013-2017

IRCrES partner of FP7
project 'Benthis' -
Benthic Ecosystem
Fisheries Impact Study
(leader Wageningen UR)

<http://www.benthis.eu/en/benthis.htm>



RITMARE: Ricerca
Italiana sul Mare
(MIUR-CNR)

<http://www.ritmare.it/>

*WP5.AZ2 - Strumenti di analisi e
valutazione per la gestione
integrata e lo sviluppo
sostenibile dei sistemi costieri*

enti e istituzioni	
	Consiglio Nazionale delle Ricerche
	Istituto Nazionale di Geofisica e Vulcanologia
	Consorzio Nazionale Interuniversitario per le Scienze del Mare
	Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
	Istituto Nazionale di Oceanografia e Geofisica Sperimentale
	Stazione Zoologica Anton Dohrn
	Consorzio Interuniversitario Nazionale per la Fisica delle Atmosfere e delle Idrosfere

Research on Environmental Education

Topics:

- education for a more sustainable and democratic food system
- finance education as a competence for the sustainable development (the so called “cittadinanza economica”)
- education for the circular economy
- education for the green economy and the green jobs

Issues:

- Multi-stakeholder systems
- Transdisciplinary research
- Need for exchange between theory and practice
- Reflection on methods, techniques and approaches
- Evaluation of impacts
- Contribution to design of policies

Member of the World Environmental Education Network and the Italian Weec network

