



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale

“Water Accounts” inquadramento delle esperienze internazionali

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PAWA 1st Stakeholder Workshop &
Training Session,
Firenze, 20–21 marzo 2014

- October 2000** *EU Water Framework Directive 2000/60/EC*
(recep. D.Lgs. 3 aprile 2006, n. 152)
- Feb/Mar 2007** *UN Statistics Division “System of Environmental-Economic Accounting for Water”*
- July 2007** *EU “Addressing the challenge of water scarcity and droughts in the European Union [COM(2007)414]”*
- October 2007** *EU Floods Directive 2007/60/EC*
(recep. D.Lgs 23 febbraio 2010, n. 49)
- August 2009** *EU “GDP and beyond – Measuring progress in a changing world [COM(2009)433 final]”*
- 2010–2012** *CIS Expert group on Water Scarcity and Drought – test on water scarcity and drought indicators*
- May 2013** *EEA “Results and lessons from implementing the Water Assets Accounts in the EEA area – From concept to production”*

Direttiva Quadro Acque 2000/60/CE (WFD)

Art. 1

Scopo della presente direttiva è istituire un quadro per la protezione delle acque superficiali interne, delle acque di transizione, delle acque costiere e sotterranee che:

[...]

e) contribuisca a mitigare gli effetti delle inondazioni e della siccità

WFD FOCUS: Aspetti qualitativi/ecologici (Water Quality)

Per gli aspetti quantitativi (Water Quantity):

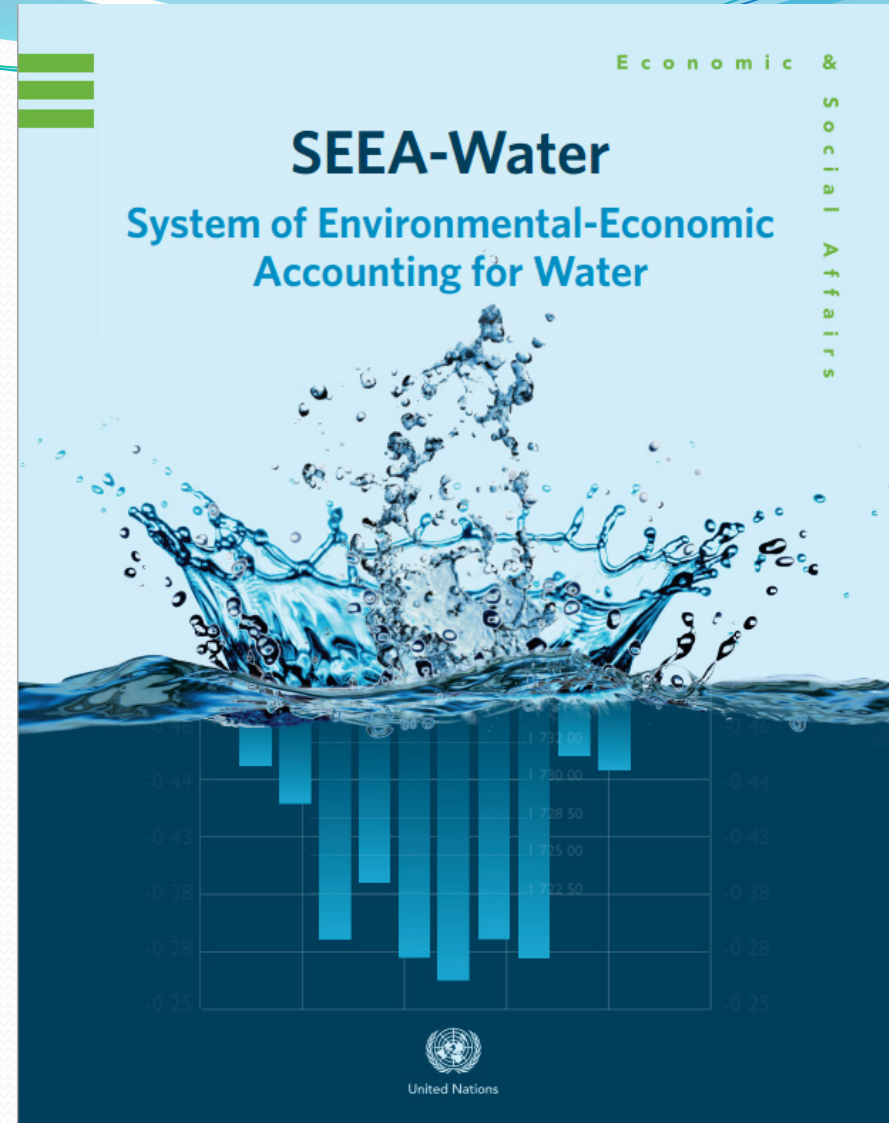
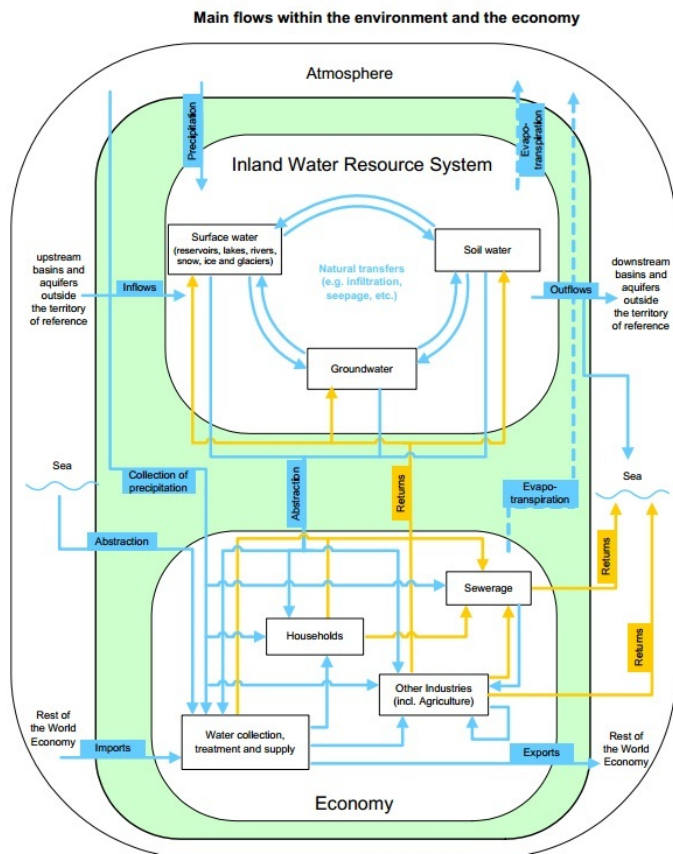


Comunicazione su Scarsità Idrica e Siccità [COM(2007)414]

Direttiva Alluvioni 2007/60/CE

System of Environmental-Economic Accounts for Water

Sottosistema del sistema di contabilità economica-ambientale SEEA che fornisce gli strumenti (definizioni, classificazioni, tabelle, ecc.) per la contabilità dell'acqua, sviluppato nel 2007 dalla Statistics Division delle Nazioni Unite.

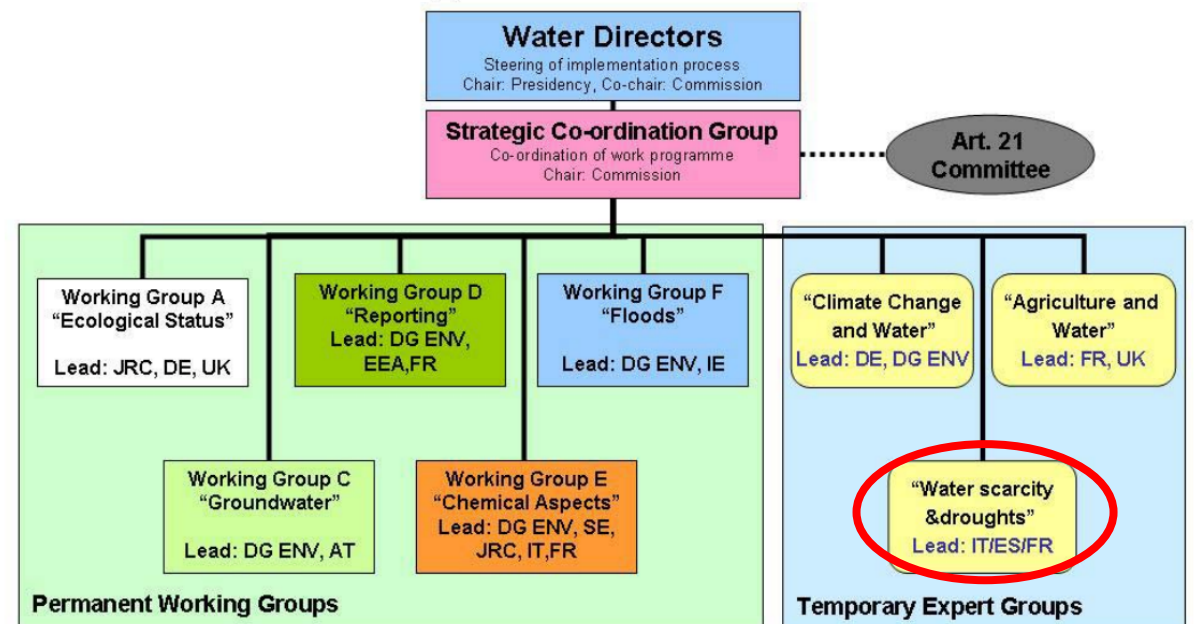


Flussi catturati dal sistema di contabilità: flussi tra il sistema delle acque interne e l'economia

Attività EU su “Water Scarcity and Drought” – Workprogramme 2010–2012

WS&D aim

CIS Organisation 2010-2012

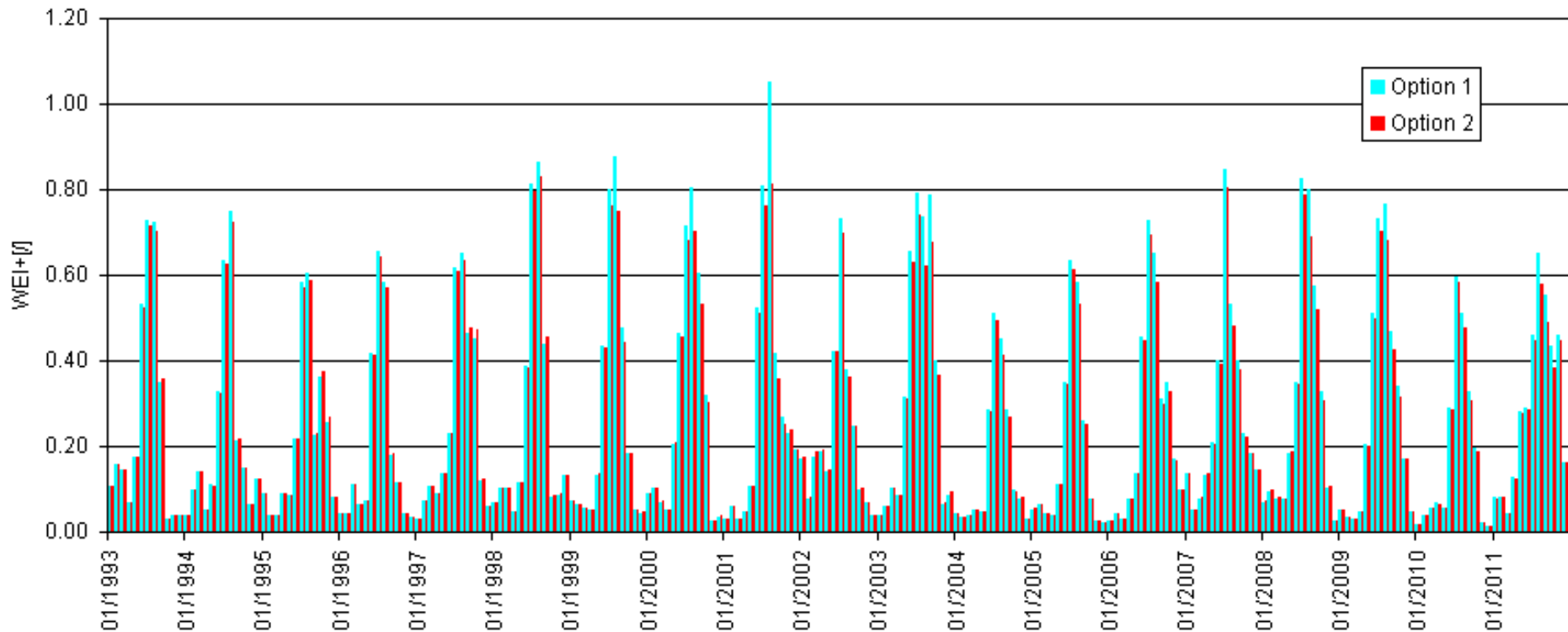


- ❑ Address pending issues dealing with WFD implementation process: **common EU indicators for both WS&D**
- ❑ These indicators (for water uses, water availability etc.) have to capture both the natural phenomena and the socio-economic aspects.
- ❑ The indicators will be mainly built on the basis of case studies proposed by voluntary countries (ES, IT, FR, etc.) which reflect different climatic, socio-economic, hydrologic conditions, and confronted and complemented by the existing indicators in other EU countries.

Water scarcity and management of critical conditions: the Arno experience

In the framework of the 2010–2012 activities of the CIS “Water Scarcity & Drought” Expert Group, AdB Arno, AdB Po and ISPRA tested for the Arno and Po River Basins the application of a modified Water Exploitation Index on a monthly basis.

In the example below for Arno, option 1 includes Environmental Flow (EF), option 2 excludes EF. The more critical years are well highlighted by WEI+ values close to 1.0.



What have we done about it so far?

- A broad water policy in place in the EU since 2000 - Water Framework Directive
- Focus largely non quality issues – more focus is needed on quantity
- Commission Communication WS&D 2007:
7 policy options:
 - Putting the right price tag on water
 - **Improving drought risk management**
 - Fostering water efficient technologies and practices
 - **Fostering the emergence of a water-saving culture**
 - **Allocating water** & water-related funding efficiently
 - Considering additional water supply infrastructures
 - **Improve knowledge and data collection**
- Whitepaper on Adaptation to Climate Change in 2009

From *“Water scarcity & droughts policy in the EU – The next steps towards a Blueprint for Europe’s waters”*
by Ms. H. Faergemann, EC, DG ENV, Protection of Water Environment

Meeting of the EC Expert group on Water Scarcity and Drought
13 October 2011, Venice

Next step – A Blueprint for Europe's Waters

- A policy response at European level
 - to address the implementation issues related to the current EU policy framework
 - to develop measures to tackle in particular water availability and water quantity problems
- The Blueprint will:
 - Look into gaps and shortcomings of the current policy and ways to address them
 - Look at the evolving vulnerability of the water environment to identify measures and tools in several EU policy areas
 - Examine the balance between water demand and supply, taking into account the needs of both human activities and natural ecosystems
 - Supported by data collection, scientific and technological development

Objective:

to ensure good quality water in sufficient quantities for all authorised uses in the long term

From *“Water scarcity & droughts policy in the EU – The next steps towards a Blueprint for Europe's waters”*

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Policy options (3/7): Water efficiency targets

- Water accounts being developed by European Commission and EEA
 - As support for a policy aiming at a more resource efficient use of water (quantity + quality)
 - As support for a policy promoting implementation of ecosystem based approaches for water provision
 - As a tool for demand management at RB level
- Policy Options:
 - Development of **targets for water efficiency** (and quality improvement) in the MS at sectoral and river basin level
 - Provide a framework for the **development of water efficiency measures**, in particular reuse and recycling

From *“Water scarcity & droughts policy in the EU – The next steps towards a Blueprint for Europe’s waters”*
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L'iniziativa Blueprint

A Blueprint to Safeguard Europe's Water resources

La Blueprint, è il documento di indirizzo della Commissione Europea che fornisce agli Stati membri nuovi strumenti per la migliore applicazione delle norme UE sulla risorsa acqua.

Alla luce dell'esame dei piani di gestione dei distretti idrografici del primo ciclo di implementazione, si evince che le principali pressioni riguardano gli aspetti idromorfologici, e quindi la Blueprint rimette l'accento sugli aspetti quantitativi.



Brussels, 14.11.2012
COM(2012) 673 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS

A Blueprint to Safeguard Europe's Water Resources

{SWD(2012) 381 final}
{SWD(2012) 382 final}

EN

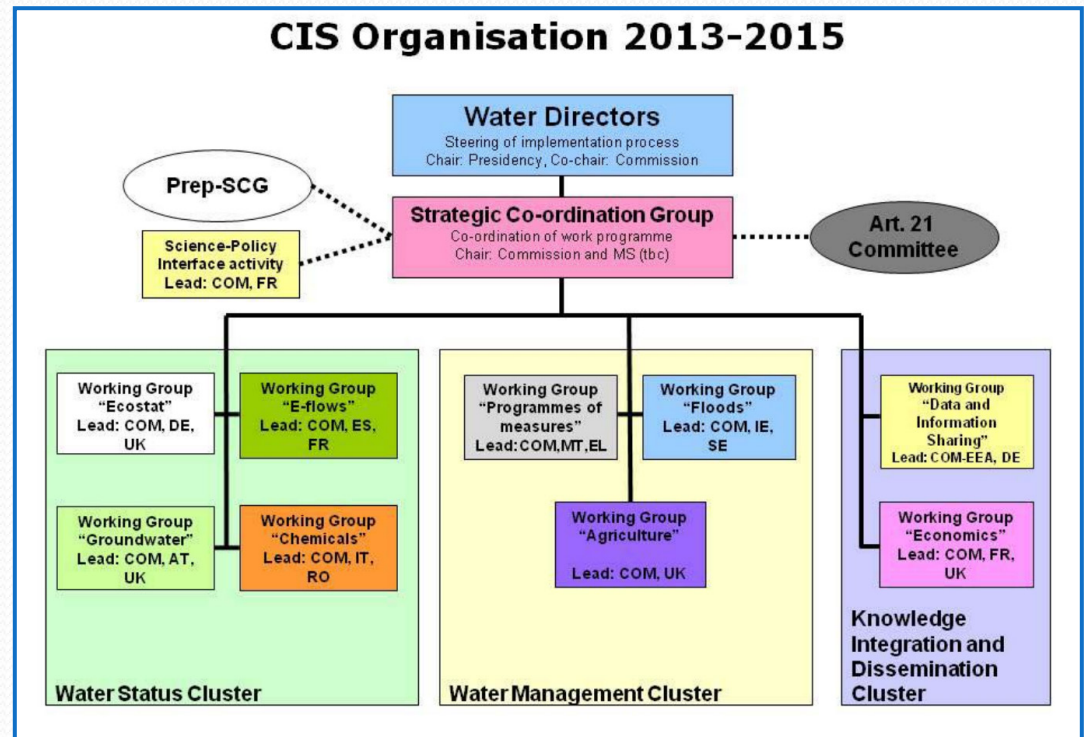
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La programmazione 2013–2015 per la Strategia Comune di Implementazione (CIS) per la WFD

Il focus sugli aspetti qualitativi si riflette anche nei gruppi di lavoro e nelle azioni evidenziate dalla programmazione 2013–2015 della CIS:

- Water modelling
- Water accounts → PAWA
- E-flows
- HMWB
- idromorfologia → FP7 REFORM

ISPRA supporta il MATTM nella CIS con la partecipazione dei propri tecnici/ricercatori ai diversi gruppi di lavoro e ai progetti comunitari





EUROPEAN COMMISSION
DIRECTORATE-GENERAL
ENVIRONMENT
Directorate D – Water, Marine Environment & Chemicals
ENV.D.1 - Protection of Water Resources

CALL FOR PROPOSALS

Preparatory Action on development of prevention activities to halt desertification in Europe

Budget line: 07 03 29

**Reference: Desertification 2012-2013 – Call for
Proposals**

Title: Halting Desertification in Europe

Deadline for submission of proposals:

17th of June 2013 – 17h00, Brussels local time

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Water Accounts

Results and lessons from implementing the
Water Assets Accounts in the EEA area
From concept to production

May 2013

**CIS Working Group on Water Accounts
1st Meeting 4. April '14, 9.30 – 17.30**

Grazie per l'attenzione!