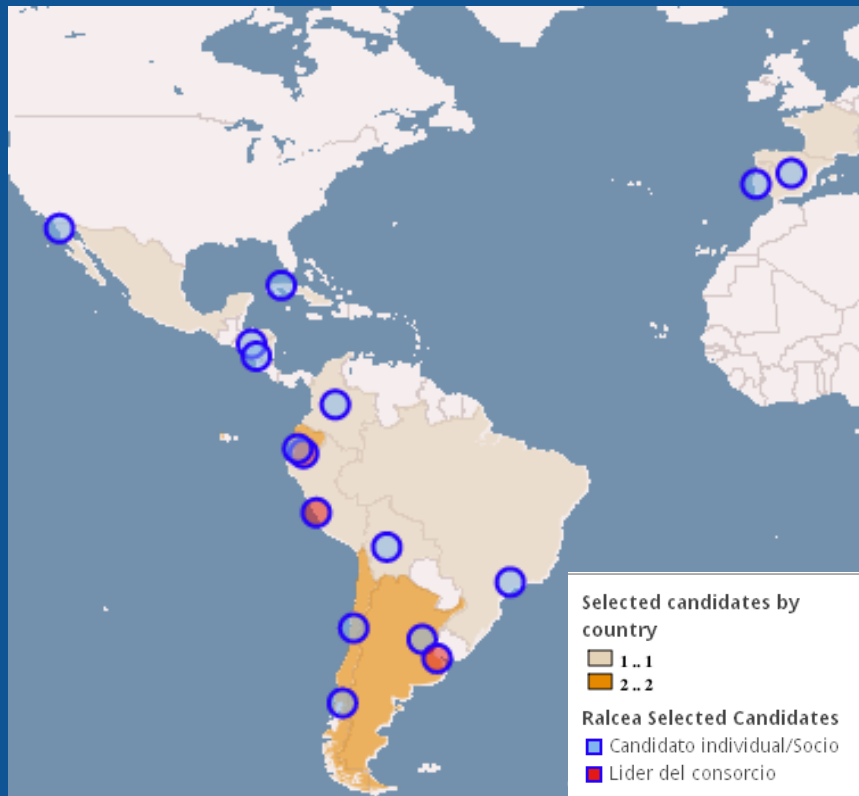


# Latin American Network of Knowledge Centres in the Water Sector



## RALCEA

Juan Arévalo, César Carmona-Moreno  
Joint Research Centre Ispra, Italy



# Context

*Millennium Development Goals and the World Summit for Sustainable Development Action Plan, Johannesburg 2002, the EU launched the EU Water Initiative, the main EU instrument for political dialogue in the water sector.*

## The project

*Regional Project (including 18 LA countries), which is financed by an European Parliament Pilot Budget Line (Water Management in developing countries), in line with the EU Water Initiative and with the EUROCLIMA programme.*

*It meets the needs identified by the EU Member States and all the Latin American countries represented at the Ibero-American Conference of Water Director Generals (CODIA).*

## Key Project Information:

**Budget:** 2.5 million € (2.25 European Commission and 0.25 counterpart)

**Duration:** 4 years (Started October 2010)

**Implementation:** EuropeAid in collaboration with the Joint Research Centre (Ispra-Italia)

**Geographic Area:** Latin America + Cuba



# Project objectives:

## ***Overall objective:***

*Poverty reduction and intergovernmental cooperation through increased capacity and improved governance in water resources management at regional and continental level.*

## ***Specific objective:***

*To foster information based policy, promoting south-south cooperation in capacity development in the water sector by supporting the development of a network of knowledge centres.*

# Main Project Activities:

- Preparatory phase (Baseline study)
- Selection of centres through call for collaboration
- Establishment and development of the network and plan of activities
- Capacity building activities to support the policy making level



# Kick-off RALCEA Meeting, Quito (Ecuador) 20-31 October 2010



Identification of thematic working axes:

- Regional Hidrologycal Balance
- Stakeholder Analysis Mapping
- Water Quality and Sanitation



# Baseline Study

- *Lack of national Capacity Building strategy or plan → lack of ownership, funding, sustainability*
- *Capacity Building topics are often limited to technical issues in national strategies*
- *Dependent on international funds*
- *No Monitoring and Evaluation tools to assess capacity building efforts and feed the policy process*

JRC Scientific and Technical Reports



**Gestión de los Recursos Hídricos en  
América Latina: Análisis de los  
actores y sus necesidades de  
desarrollo de capacidades**

Damian Indij  
Giorgia Donin  
Andrea Leone



EUROPEAN  
COMMISSION

Gestionado por  
EuropeAid G-2



EUR 24819 ES - 2011

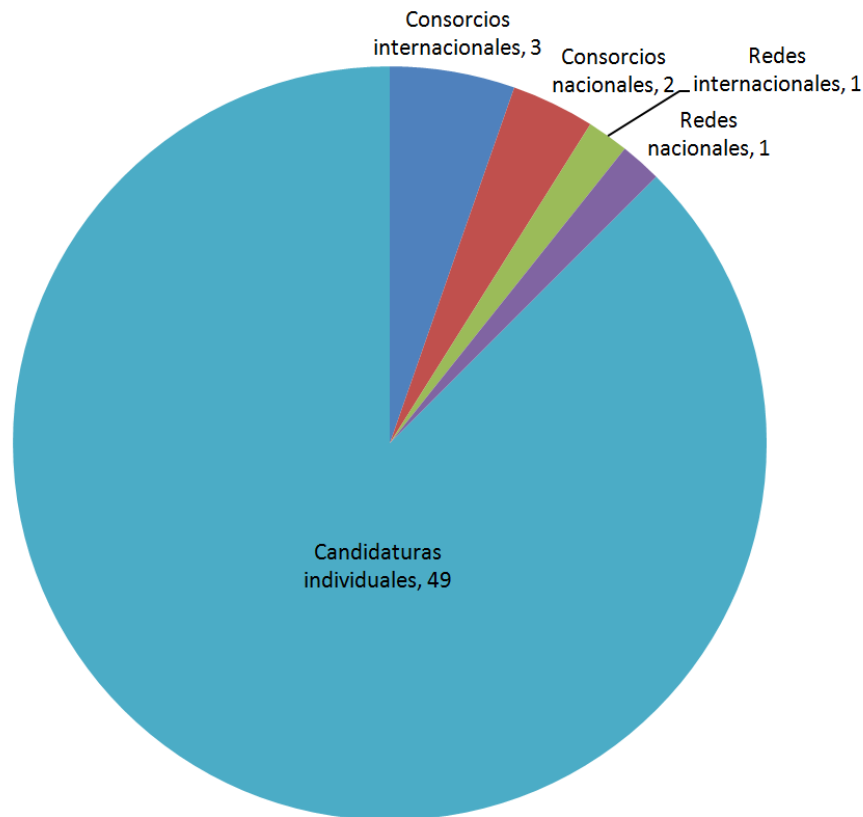


## **Selection of Centres: Call for collaboration**

- Technical and administrative evaluation:
  1. Individual/Consortium of research or higher education centres in Latin America
  2. Scientific and technical capacities
  3. Networking capacity
  4. Human resources development
  5. Financial strength and sustainability
  6. Contribution to the different working axes



## Selection of Centres: Call for collaboration



**12 Latin American countries**

**56 Candidates:**

49 Individual Candidates  
3 International Consortia  
2 National Consortia  
1 International Network  
1 National Network

# RALCEA Centres of Excellence

16 candidates

Research consortium  
or individual  
institutions = scientific  
level

Focal points for each  
country = policy level

ACRONIMO	NOMBRE	TIPO	ORIGEN	PAIS
Agualimpia	Agualimpia	Consorcio	Latinoamericano	Perú
CASA-UMSS	Centro del Agua y Saneamiento Ambiental	Individual	Latinoamericano	Bolivia
CAZALAC	Centro del Agua para Zonas Aridas y Semiáridas de América Latina y el Caribe	Individual	Latinoamericano	Chile
CEDEX	Centro de Estudios y Experimentación de Obras Públicas	Individual	Internacional	Espana
CETA-UBA	Centro de Estudios Transdisciplinarios del Agua de la Universidad de Buenos Aires	Consorcio	Latinoamericano	Argentina
CICESE	Centro de Investigación Científica y de Educación Superior de Ensenada	Individual	Latinoamericano	Mexico
CIH-MES	Centro de Investigaciones Hidráulicas perteneciente al Ministerio de Educación	Individual	Latinoamericano	Cuba
CIIFEN	Centro Internacional para la Investigación del Fenómeno de El Niño	Individual	Internacional	Ecuador
CIRA-UNAN	Centro para la Investigación de Recursos Acuáticos de Nicaragua. Universidad	Individual	Latinoamericano	Nicaragua
CVRM	Centro de GeoSistemas del Instituto Superior Técnico (IST)	Individual	Internacional	Portugal
FCH	Fundacion Chile	Individual	Latinoamericano	Chile
FICH-UNL	Facultad de Ingeniería y Ciencias Hídricas de la Universidad Nacional del Litoral, Santa	Individual	Latinoamericano	Argentina
UCUENCA	Universidad de Cuenca	Consorcio	Latinoamericano	Ecuador
UNAL-IDEA	Universidad Nacional de Colombia, a través del Instituto de Estudios Ambientales IDEA	Individual	Latinoamericano	Colombia
UNICAMP	Faculdade de Engenharia Civil, Arquitetura e Urbansimo, da Universidade Estadual de	Individual	Latinoamericano	Brasil
ZAMORANO	Escuela Agrícola Panamericana	Individual	Latinoamericano	Honduras

## Last Regional Seminar RALCEA Italia, Ispra 4-7 Julio 2011



**57 attendees representing national or regional institutions and 14 governmental representatives (focal points)**

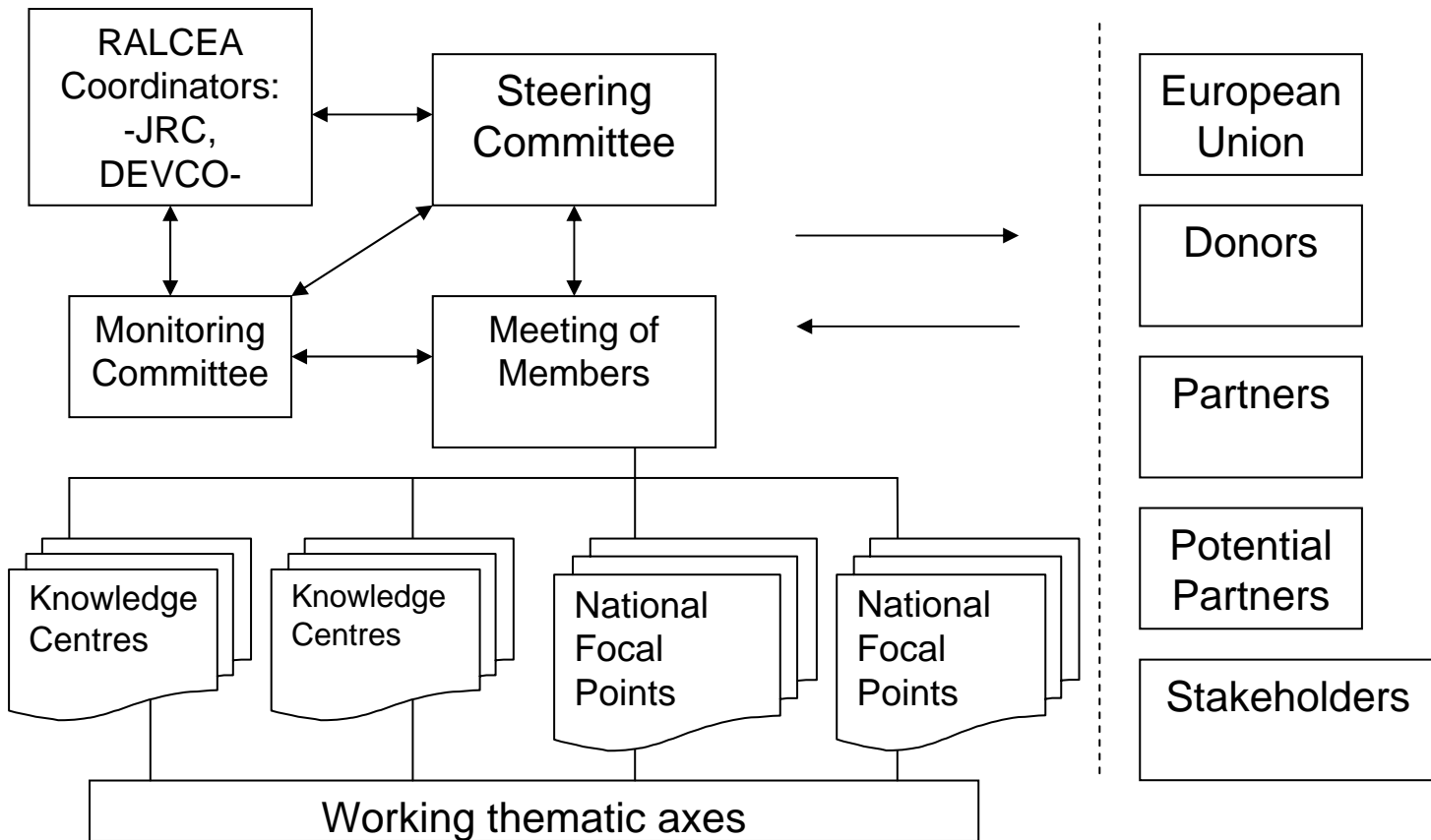
- **Presentation of KC to map weaknesses and strenghts**
- **Constitution of thematic working groups including both KC and focal points**

# RALCEA Operational Guide

- Vision
- Values and principles
- Beneficiaries
- Objectives
- Main activities
- Structure of the network



# RALCEA Governance Structure





## Regional Hydrological Balance

**Working Axe:** Regional Hydrological Balance  
**Knowledge Centres Coordinators:** CAZALAC  
 (Chile) and CIIFEN (Ecuador)  
**Focal Point Coordinator:** Honduras

Knowledge Centres	Focal Points
UNAL-IDEA (Colombia)	Argentina
CAZALAC (Chile)	Chile
FICH-UNL (Argentina)	Colombia
FCH (Chile)	Costa Rica
CICESE-Ensenada (Mexico)	Cuba
CIIFEN (Ecuador)	Mexico
UNICAMP (Brasil)	Honduras
CVRM (Portugal)	Panama
CIH (Cuba)	
UCUENCA Consortium (Ecuador)	

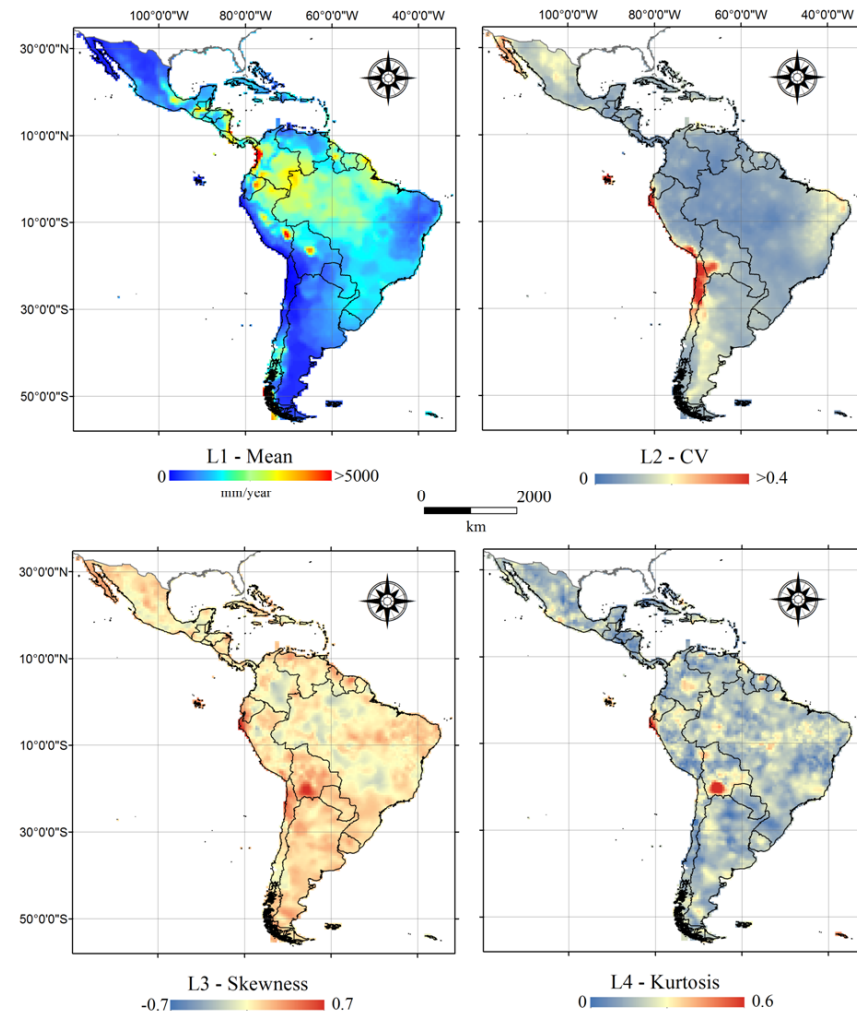


# Regional Hydrological Balance

To better understand the variability of the different components that influence the Hydrological Balance in Latin America:

- L-moments statistics method to produce climatology regional frequency analysis for Latin America.
- Capacity building and complementary research activities such as workshops, online courses

## Annual precipitation L-Moments





## Stakeholder Analysis Mapping

**Working Axe:** Stakeholder Analysis Mapping  
**Knowledge Centres Coordinator:** FICH-UNL  
 (Argentina)

**Focal Point Coordinators:** Chile and Mexico

Knowledge Centres	Focal Points
UNAL-IDEA (Colombia)	Argentina
FICH-UNL (Argentina)	Bolivia
CIIFEN (Ecuador)	Chile
AGUALIMPIA Consortium (Peru)	Colombia
UNICAMP (Brasil)	Mexico
CETA UBA Consortium (Argentina)	Honduras
CEDEX (Spain)	Panama
UCUENCA Consortium (Ecuador)	



# Stakeholder Analysis Mapping

To design a regional strategy for the development of capacity building activities in the water sector in Latin America

- Capacity building courses and tools
- Policy briefs with key findings in the water sector in Latin America



## Water Quality and Sanitation

**Working Axe:** Water Quality and Sanitation  
**Knowledge Centres Coordinators:** CIRA-UNAM  
 (Nicaragua) and FCH (Chile)  
**Focal Point Coordinators:** Mexico and Bolivia

Knowledge Centres	Focal Points
AGUALIMPIA Consortium (Peru)	Argentina
UNAL-IDEA (Colombia)	Bolivia
CIRA-UNAN (Nicaragua)	Chile
FCH (Chile)	Honduras
UNICAMP (Brasil)	Mexico
CETA UBA Consortium (Argentina)	Colombia
CEDEX (Spain)	
ZAMORANO (Honduras)	



# Water Quality and Sanitation

To improve the knowledge on water quality and sanitation issues in Latin America to support the policy making level.

- Analysis of technologies available and best practices for water treatment
- Development of water quality indicators
- Tools and capacity building activities



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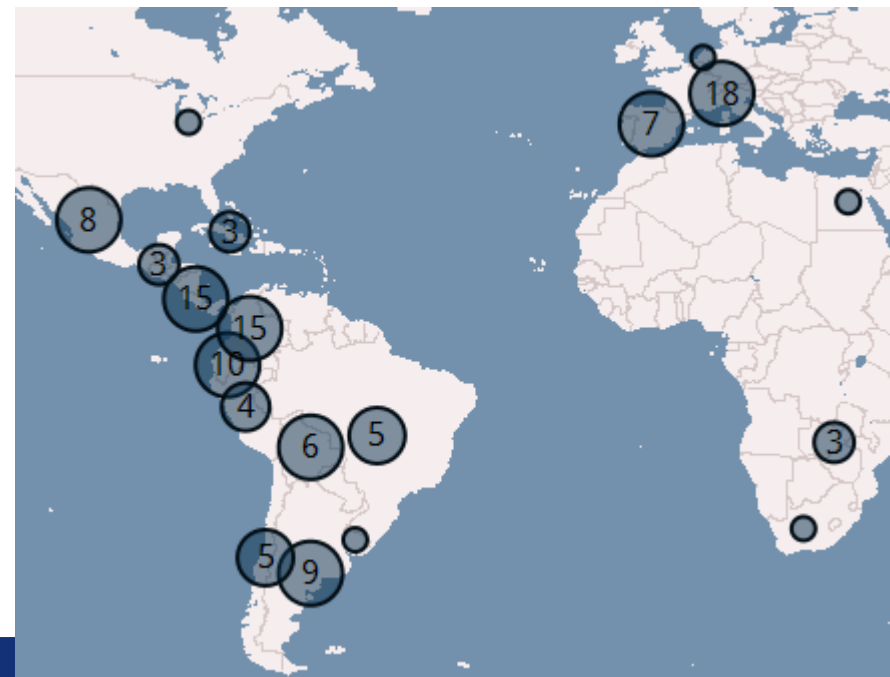
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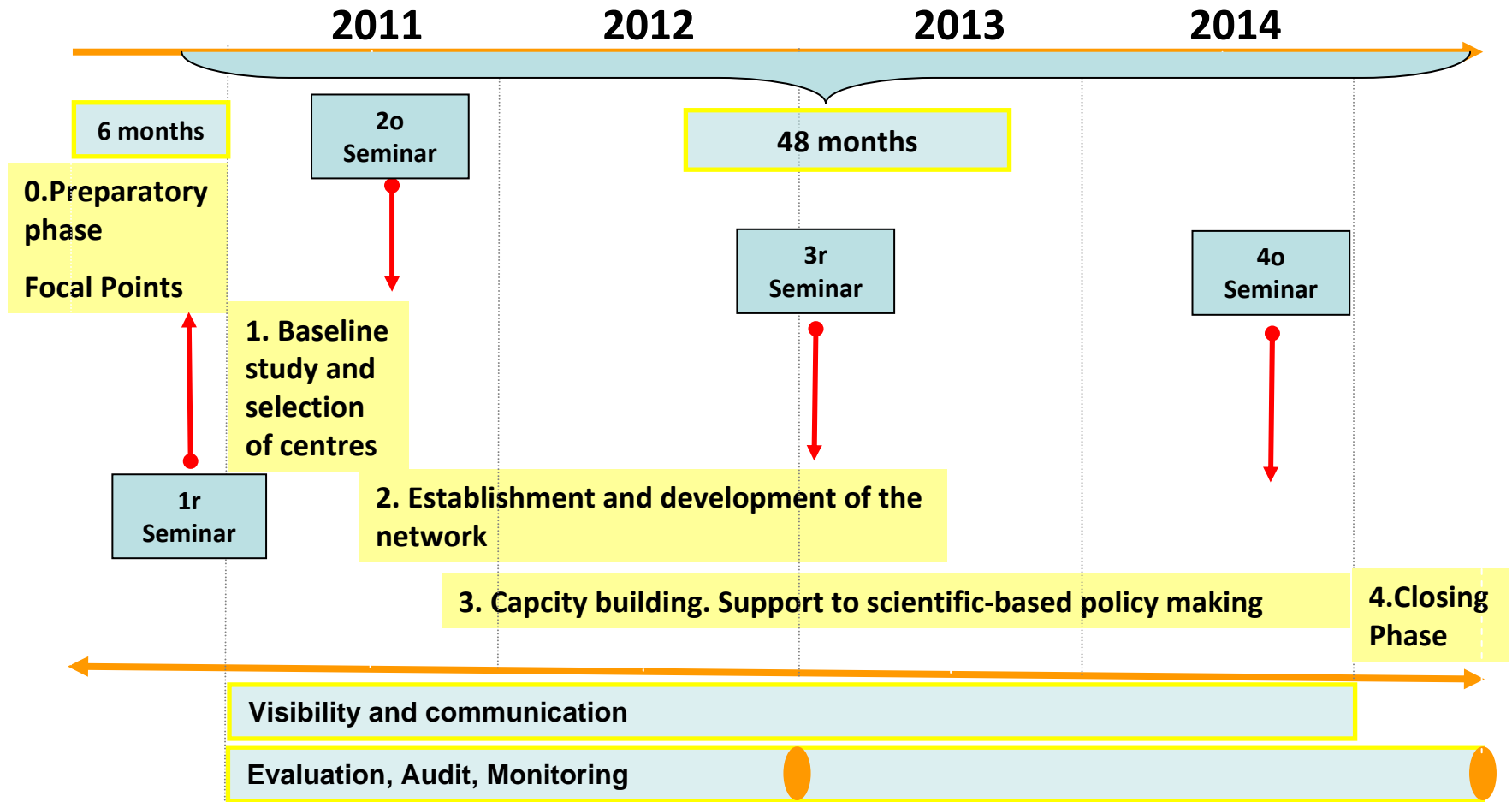
# RALCEA Virtual Network

116 Members

82 Contents

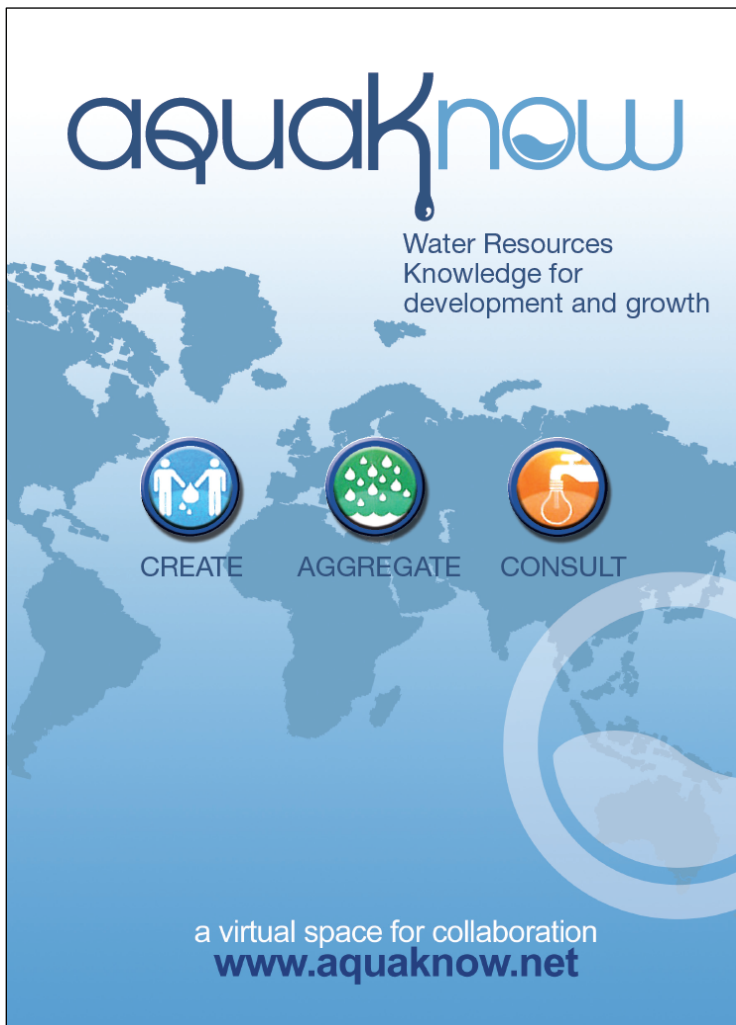
(Documents, images,...)







# Thanks for your attention



<http://www.aquaknow.net/en/ralcea-centros-de-excelencia-en-america-latina>

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