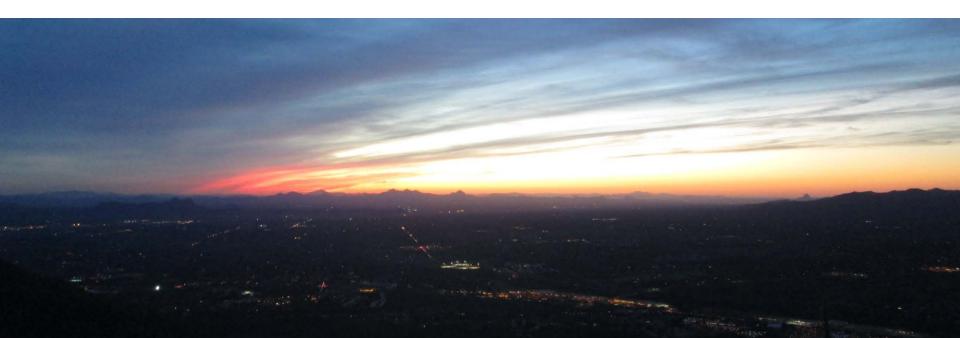


# The Tucson Basin Case Study (or how did we get here)



• Tucson – April 2012: SWAN Kick-off

Arizona Inn Brainstorming: "An Agenda for a SWC" (April 26).

#### Tucson – April 2012: SWAN Kick-off

Arizona Inn Brainstorming Session: "An Agenda for a SWC"

- Ed Curley, Claire Zucker, Joaquin Ruiz, Larry Winter, Tom Maddock, French Counselor for Science and Technology, and others were there.
- "if SWC wants to be a real and concrete center (not merely a virtual one), Tucson's sparse rainfall, its concerns about water shortage [...] make it an ideal location" (CZ).
- "... to make the SWC a concrete place:
  - for the researchers to meet and exchange experiences and methodologies, and
  - for the decision-makers to find practical resources "

- SWAN Kick off April 2012: *Arizona Inn Brainstorming*: "An Agenda for a SWC" (April 26).
- Bristol Meeting Oct 2012:

Institutional & watershed spatial (mis)fit: SCALE

#### **Bristol – October 2012**

#### Institutional & watershed spatial (mis)fit: SCALE

"- A methodological discussion [...] for comparative case studies :

A study area, urban watershed or other spatial unit? An interdisciplinary scientific objet? (flood, drought) A governance or stakeholders challenge? "

"To move forward and test the first interactions between partners and work packages <u>it was recently decided</u> :

- to use a large definition of watershed as a spatial unit combining an **hydrological approach** together with a **human and social sciences definition** (economic, functional, cultural)."

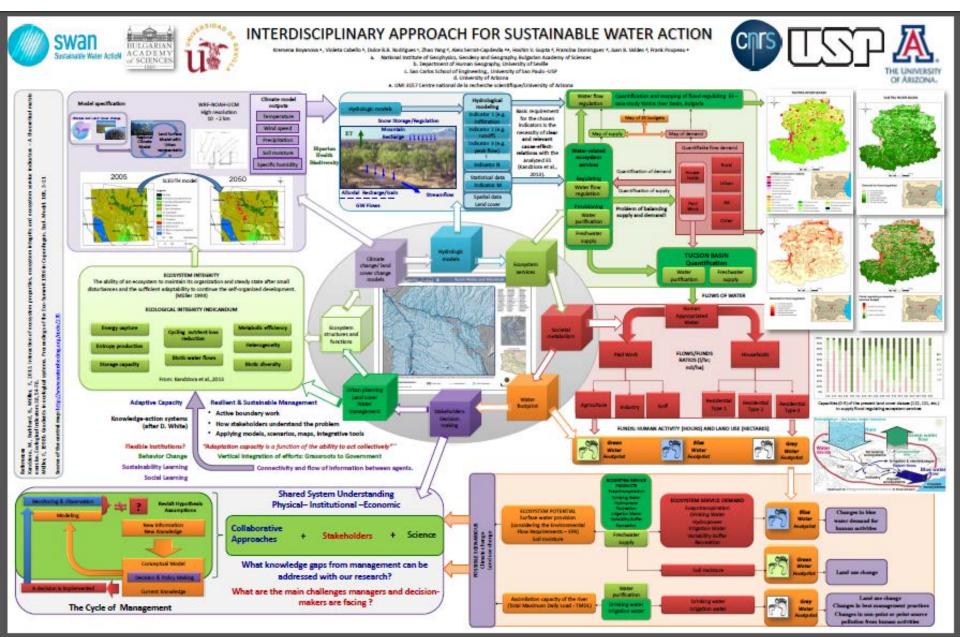
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Methodological Integration – Tucson Case Study Crystallizes.

## from the abstract to the concrete

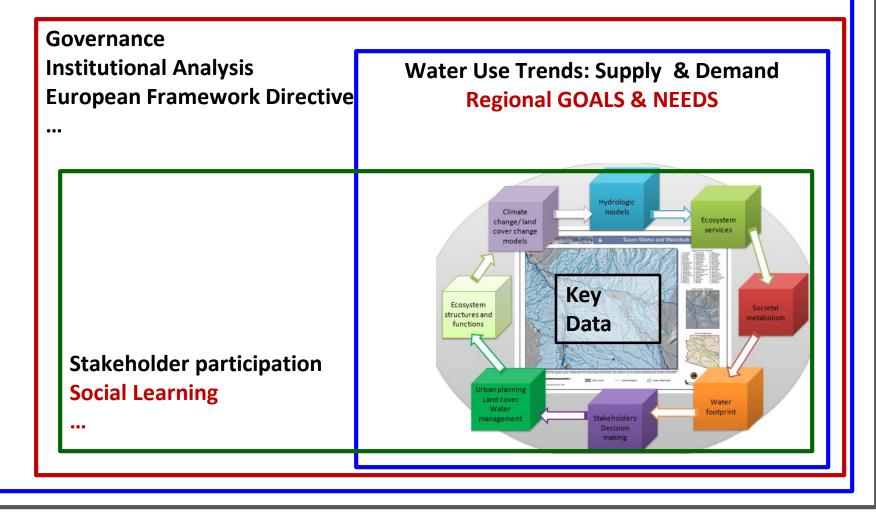


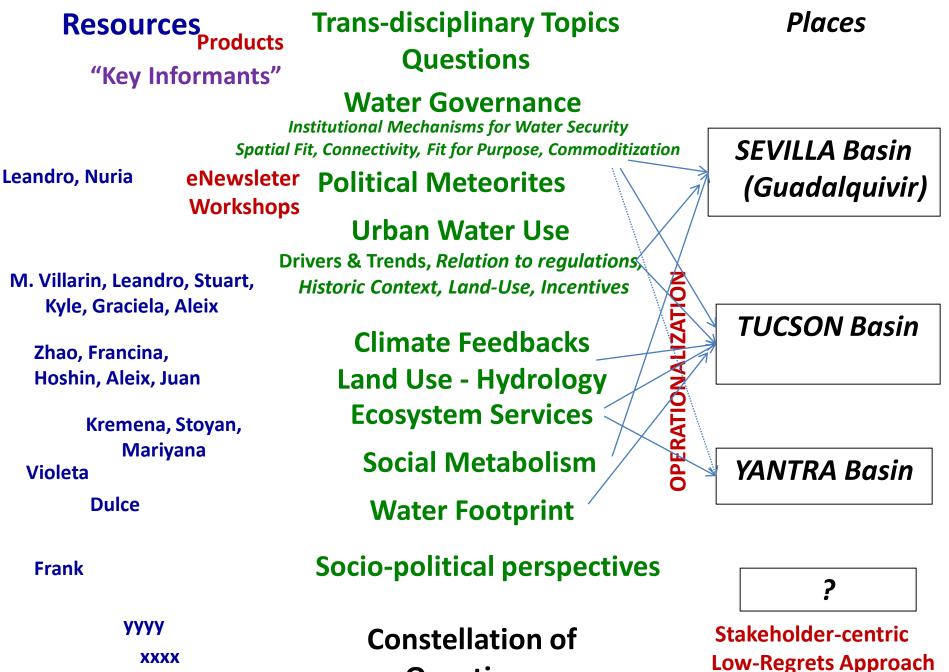
## SWAN working group – Integration Poster



Post-Normal Science Epistemology of how we 'operationalize knowledge' (Theoretical Foundation)

IWRM – Water Security – Resilience – Other Approaches Prescriptive – Practical Recipes to Achieve Goals





Questions

~Planning Cycles/Goals

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Tucson - October 2013:
 Stakeholder Workshop











#### MINUTES OF THE FIRST SWAN TUCSON BASIN STAKEHOLDERS WORKSHOP

#### **University of Arizona**

#### Tucson, October 30th, 2013

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Report authors: Violeta Cabello, Aleix Serrat-Capdevila, Nuria Hernández-Mora

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- Tucson October 2013:
  Stakeholder Workshop
- Sevilla June 2014:

First Tucson Case Study Session. First set of papers.

### Sevilla – June 2014 *Tucson Case Study Session*

(1) Rositsa Yaneva, NIGGG-BAS - ECOSYSTEM SERVICES QUANTIFICATION IN TAMA CASE STUDY (2) K. Boyanova, NIGGG-BAS- QUANTIFICATION AND MAPPING OF WATER-RELATED ECOSYSTEM SERVICES IN BULGARIA AND ARIZONA, USA (AND ITS IMPLEMENTATION IN POLICY AND DECISION MAKING)

(3) Tanya Trenkova, NIGGG-BAS-WEB-BASED GIS APPLICATIONS SUPPORTING THE INTEGRATED WATER MANAGEMENT

(4) Natalia Limones, USE -GROUNDWATER METABOLISM OF THE ROSEMONT COPPER MINE AND POTENTIAL IMPACTS OF THIS ACTIVITY ON TUCSON BASIN GROUNDWATER SERVICES.

(5) Zhao Yang, UoA - CLIMATE CHANGE AND LAND USE

(6) Graciela Schneier-Madanes et al. - WATER, URBAN DEVELOPMENT AND SPRAWL

(7) Maria Villarin, USE - Explanatory factors of domestic water demand: City of Seville case-study.

(8) Sergio Segura-Calero, USE - SPATIAL & WATER PLANNING IN TUCSON BASIN CASE STUDY

(9) Violeta Cabello, USE - SOCIAL METABOLISM IN THE TUCSON WATER MANAGEMENT AREA

(11) Dr. Murielle Coeurdray, Sociology and Political Science.- FROM STAKEHOLDERS MAPING TO THE ANALYSIS OF WATER POLICIES

(12) Owen King, Social Sciences - CONTESTED WATERS: CONSENSUS AND ANTAGONISM IN HYDRO-SOCIAL SPACES

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# Tucson - November 2014 3-Days of Tucson Case Study Book – Monograph – Article collection

