

# **SWAN BOOK PROPOSAL**

April 2015

# First comments on the first drafts

- ◆ 1<sup>st</sup> point: transdisciplinary objectives => how to make each article be read by everyone ? If no common language possible, does it imply to simplify ? Or on the contrary give elements to other readers to understand the different logics of research. This means first:
- ◆ to explicit the disciplinary basis (which tools, etc.)
- ◆ the hypothesis and objectives of each paper
- ◆ summary of the results & of lessons learnt from the case study (cf. editors' demands)

2<sup>nd</sup> point: Common perspective & background, which means several things:

- ♦ Role of the introductory chapter, divided in 3 parts:
  - 1 book proposal
  - 2 case study project & interdisciplinary attempt of 2013 (cf. supplementary deliverable)
  - 3 presentation of the case study area
  
- ♦ Common statements & analysis: on water management, on climate change and its effects, on urban growth, etc. => lessons learnt (final chapter but also interaction with stakeholders cf. ASC) ? water management?

- ◆ Bridges between disciplines: maybe write transition paragraphs between chapters with 2 researchers from different disciplines???
- ◆ Transatlantic dialog: where can we make comparative analysis? In the end? 2 USE articles are concerned
- ◆ Detail: common bibliography?
- ◆ Common data, maps, in the 3<sup>rd</sup> part of the introduction

# List of common data & maps:

- ◆ Western states
- ◆ Az & Pima County
- ◆ Sun Corridor & Tucson City
- ◆ TAMA
- ◆ CAP
- ◆ Santa Cruz river?
- ◆ Basin, watershed
- ◆ Groundwater? VC & GS
- ◆ Water providers

## 2 ½ important issues to discuss

- ♦ Common statements & analysis: is it water management?
- ♦ Organization of the book & chapters
- ♦ (Trans)disciplinary Evaluation of the articles: internal, external + stakeholders comments?

# Table of contents

## **A Socio-Historical Perspective on Water Policy**

- ◆ Rivers and Dams of the American Empire. Sociological tools
- ◆ The Policy Coalitions of the Central Arizona Project
- ◆ Laws of the River

## **Current perspectives: Ecosystems & Their Dependence on Water Management**

- ◆ Water uses in the Tucson basin
- ◆ Tucson Groundwater Dynamics
- ◆ Water Management and Biodiversity Conservation
- ◆ Quantification of Water-related Ecosystem Services
- ◆ Mapping Ecosystem Services Supply and Demand
- ◆ Implication of GIS and Spatial Data Infrastructures in WM
- ◆ A Comparative Analysis of Stakeholder Engagement in WM (US-SP)
- ◆ Riparian areas

## **◆ Narratives of economic & urban growth**

- ◆ Water and Urban Growth in Tucson Metropolitan Region
- ◆ Challenges of Urban Growth, Water and Wastewater
- ◆ The Social Logic of Urban Sprawl in Arizona
- ◆ Urban comprehensive planning
- ◆ Impact of urban growth on climate and ecosystem services
- ◆ Political Ecology of Mines

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## **A Socio-Historical Perspective on Water Policy**

- ◆ Rivers and Dams of the American Empire. Sociological tools
- ◆ The Policy Coalitions of the Central Arizona Project
- ◆ Laws of the River

## **Socio-Political Perspectives on Water Management**

- ◆ Water uses in the Tucson basin
- ◆ A Comparative Analysis of Stakeholder Engagement in WM (US-SP)
- ◆ Political Ecology of Mines

## **Socio-Ecological Narratives on Water & Land**

- ◆ Tucson Groundwater Dynamics
- ◆ **Water Use** and Biodiversity Conservation
- ◆ Quantification of Water-related Ecosystem Services
- ◆ Mapping Ecosystem Services Supply and Demand
- ◆ Implication of GIS and Spatial Data Infrastructures in WM
- ◆ **Riparian areas**

## **Narratives of economic & urban growth (Socio-Economic Narratives of Urban Growth)**

- ◆ Water and Urban Growth in Tucson Metropolitan Region
- ◆ Challenges of Urban Growth, Water and Wastewater
- ◆ The Social Logic of Urban Sprawl in Arizona
- ◆ Urban comprehensive planning
- ◆ Impact of urban growth on climate and ecosystem services



ARTICLE	INTERNAL EV.	EXTERNAL EV	CONNECTIONS
Rivers & dams		Varady Scott	
CAP		Varady Scott	
Laws		Glennon, Megdal	
Water Uses	Hoshin, Juan		Natalia
Groundwater	Violeta, Naira		
Biodiversity			
Quantif ES			
Mapping ES			
GIS WM			
Riparian			
Stakeholders			
Developers	Graciela		
Urban Growth1			
UG2 Wastewater			
Climate & UG			
Urban Planning	Graciela		
Mines	Franck		