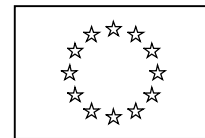


EUROPEAN COMMISSION



**Mediterranean Regional Programme For Local Water Management
Budget Line B7- 4100**

ISIIMM

**Institutional and Social innovations in
Irrigation Mediterranean Management**

Applicant : AGROPOLIS

Application Ref. : 016/716/I-II

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ISIIMM

**Institutional and Social innovations in
Irrigation Mediterranean Management**

ISIIMM Case Studies

**The Ait Bougmez
Valley**

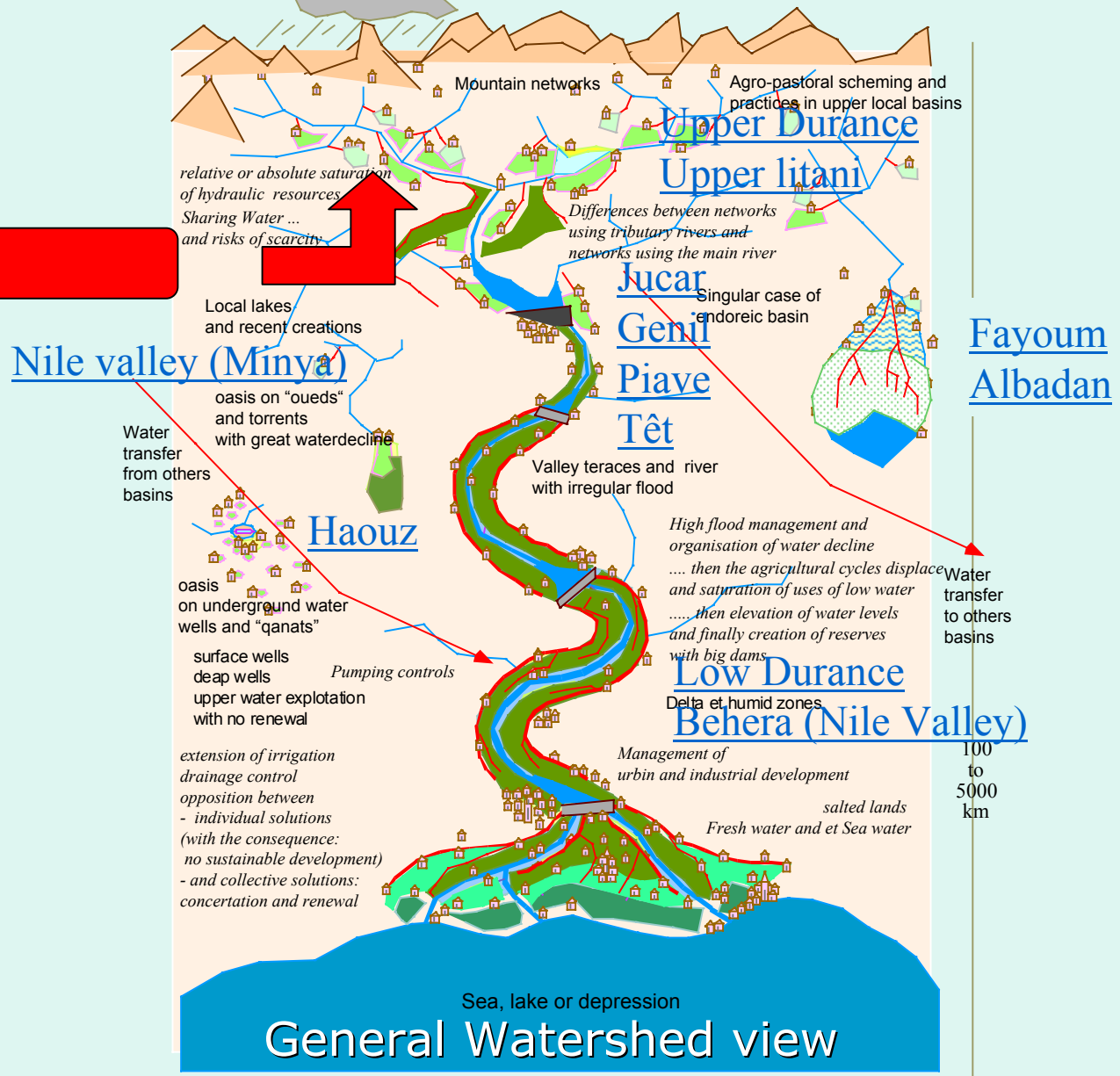
**presentation of actual knowledge
with IAV Hassan II, Cnearc, IRD
ADL AitBougmez, CICDA and Aghbalou NGO**

contributions

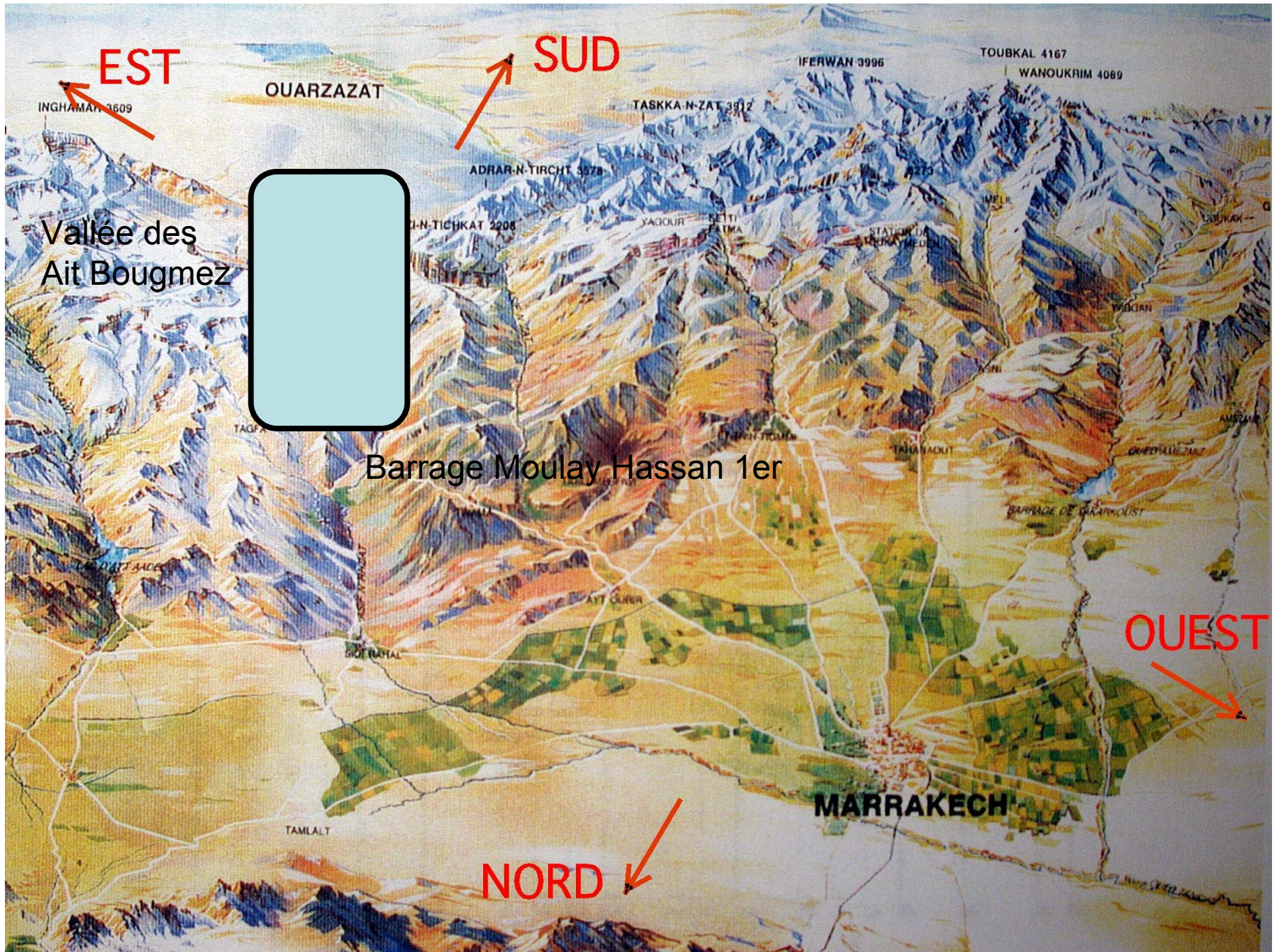
Thierry RUF IRD UR044
Seminaire ISIIMM Montpellier 16-6-2003

General representation of water management in a basin approach and differences of the issues upstream-downstream

Climatical Change, irregularity



General Watershed view



EST

SUD

Vallée des
Ait Bougmez

Barrage Moulay Hassan 1er

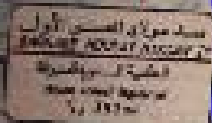
OUEST

NORD

Map of situation

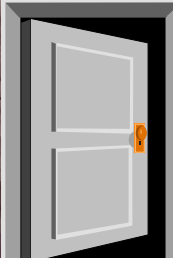
Nord

Barrage Moulay Hassan 1er

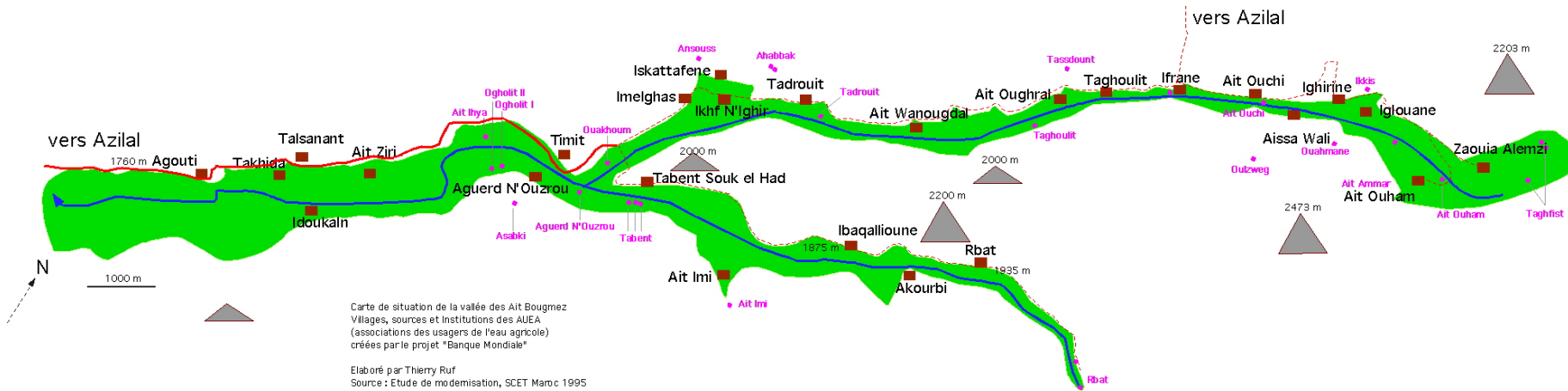


Vallée des Art Bouguemez

Talant

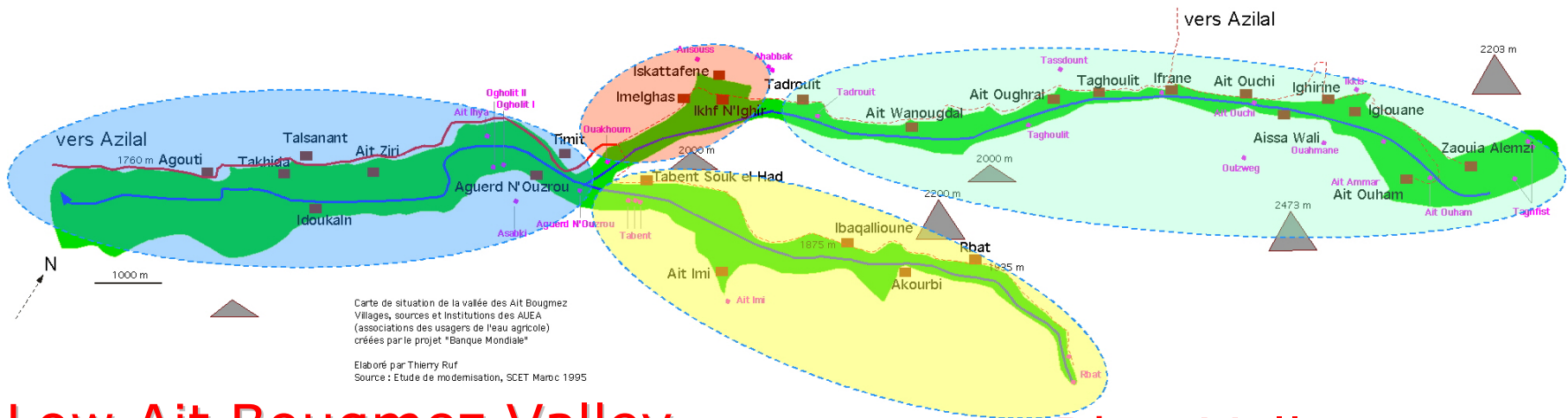


The Ait bougmez Valley



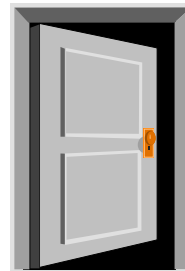
The formal new institutions : 4 AUEA (« association des usagers de l'eau agricole »)

Ait Hakim Valley

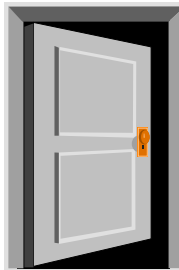
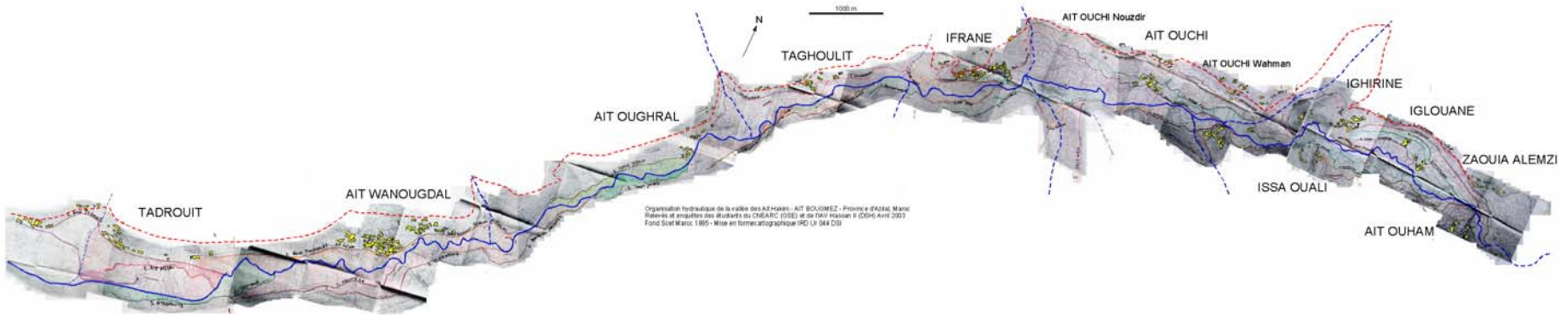


Low Ait Bougmez Valley

Rbat Valley

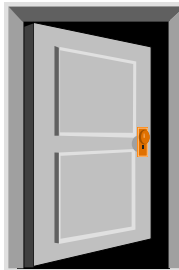
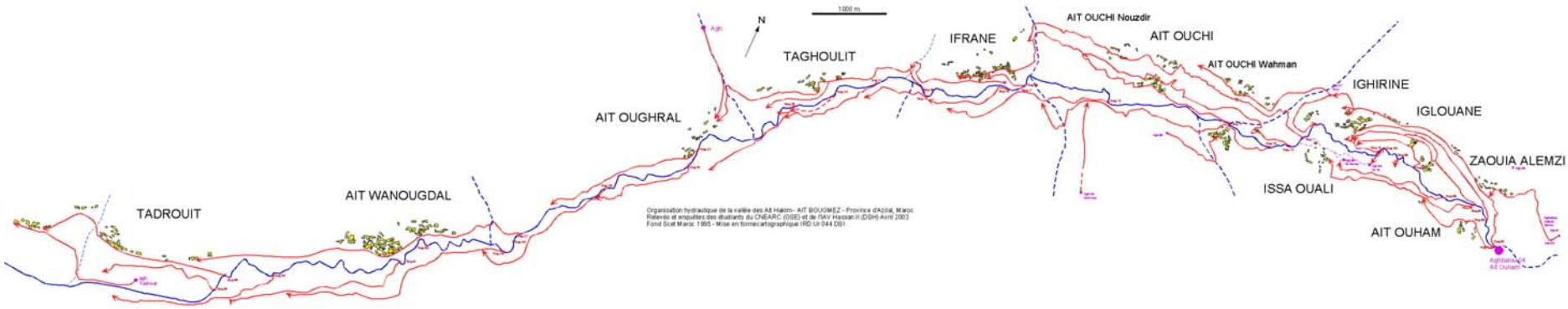


The Ait Hakim Valley



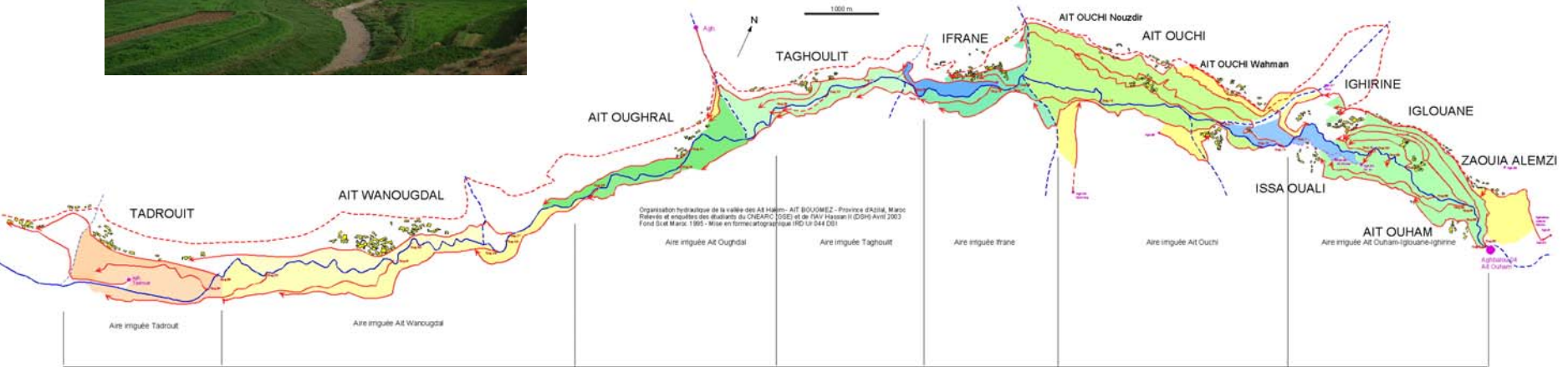


Water Pathes

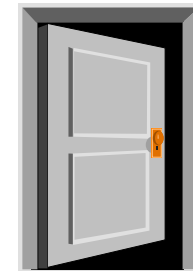
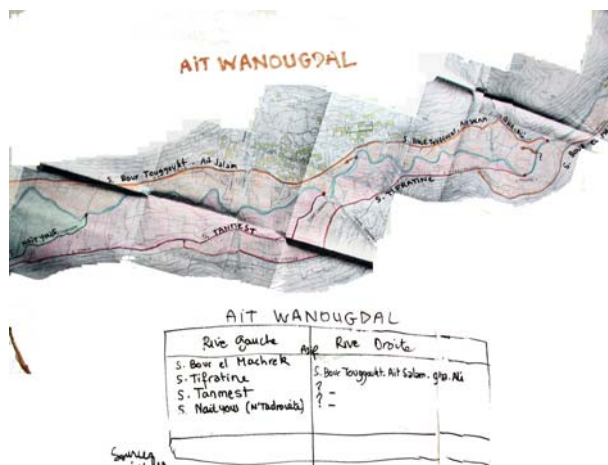
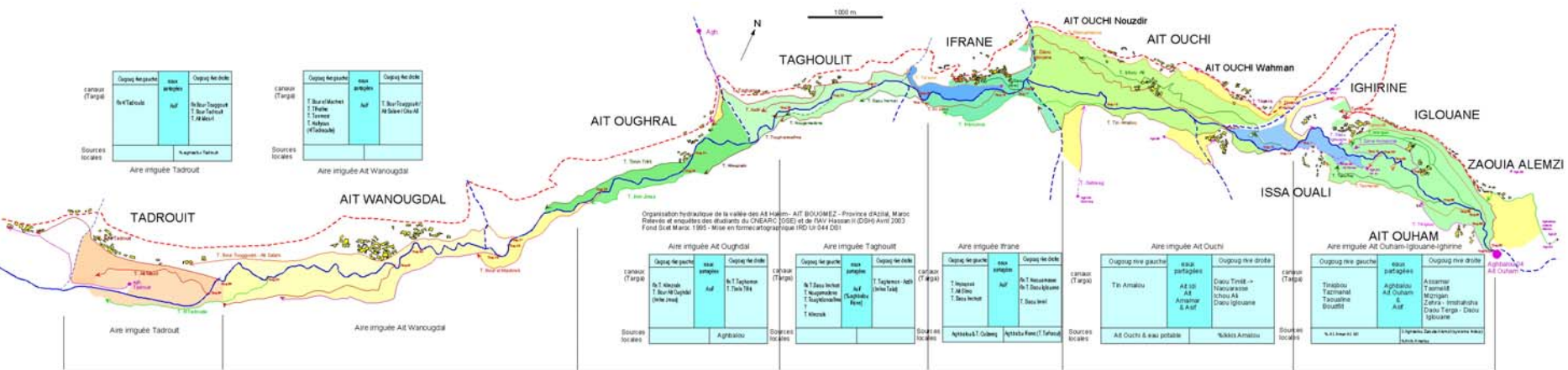




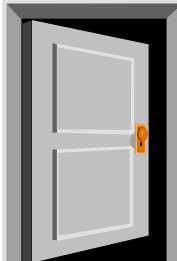
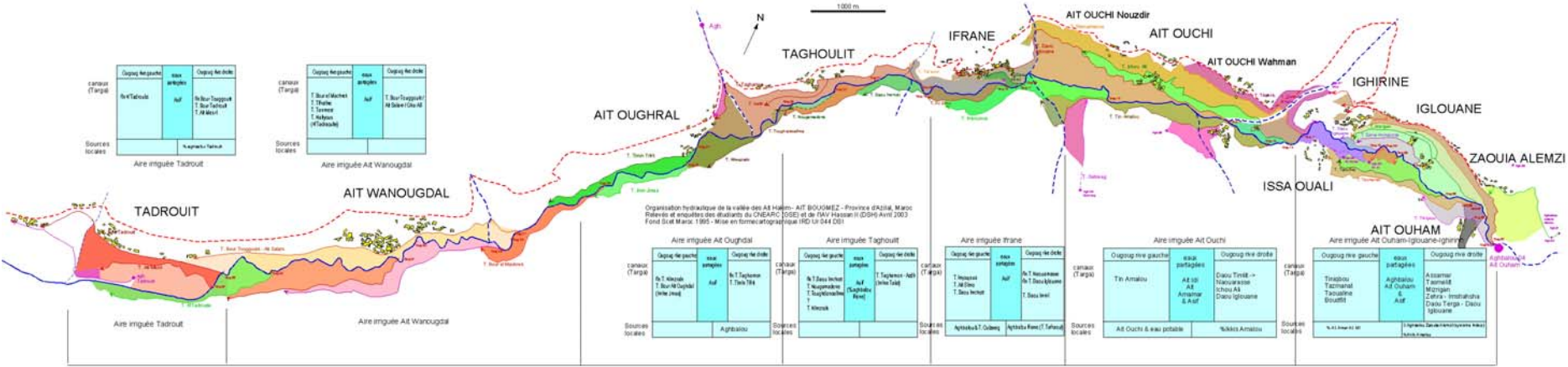
Hydraulic local territories

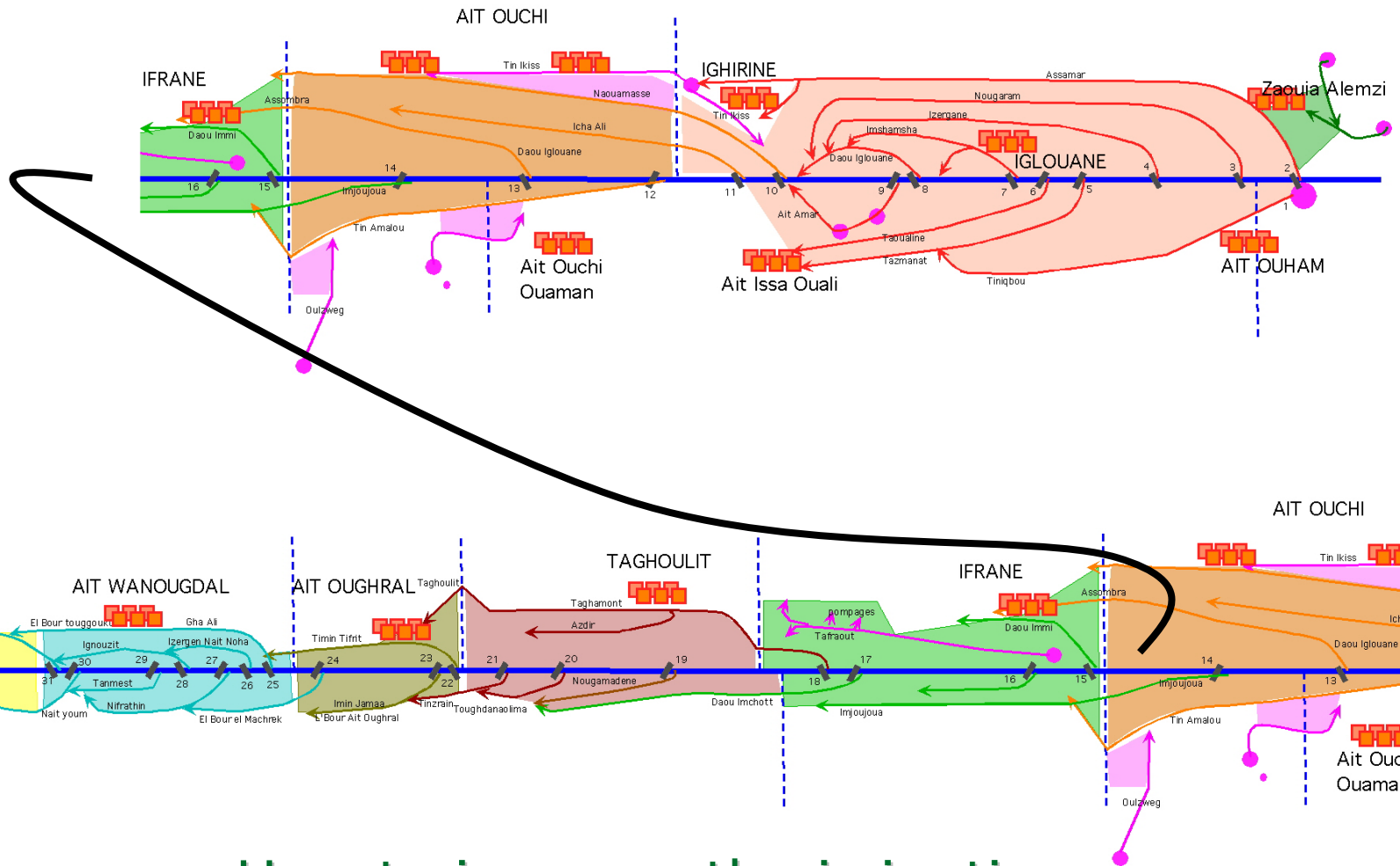


Inventory of canals (seguias)



A mosaic of irrigation systems with a huge diversity of rules and institutions





How to improve the irrigation institutions, formal and informal ?



Many thanks for the Ait Bougmez People
The Local Development association
The DPA and the CICDA-Aghbalou NGO

Many thanks for CNEARC, IAV Hassan II and IRD
Analysis on the Ait Hakim Valley, 4-18 april 2003

