THE GRADUATE INSTITUTE | GENEVA

INSTITUT DE HAUTES ÉTUDES
INTERNATIONALES ET DU DÉVELOPPEMENT

GRADUATE INSTITUTE OF INTERNATIONAL
AND DEVELOPMENT STUDIES

Projet Oronte: Gestion des ressources en eau / Bassin versant

e-Atlas of the Orontes basin

IPOGEE CONSULT

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Quelques enjeux importants

- Surexploitation des eaux
- Changement climatique
- Démographie
- Question transfrontalière

- many results of the first phase
- dispersed data sets and knowledge
- identified management issues

- Climatic scenarios
- Hydro(geo)logical hypotheses
- Management scenarios

The Atlas ?

to be developed as…

Systemic model of the Oronte River (« schema »)

- subcomponents
  - segments
  - surface / groundwater
  - quantity / quality
- interdependancies
- uncertainties
  - climate
  - measurements
  - socio-political situation

- Visualizing data
- exploring data
- publishing data

- Scientific conclusions → what might happen ?
- Recommendations → what might be done ?
  - → monitoring needs …
  - → further investigations…

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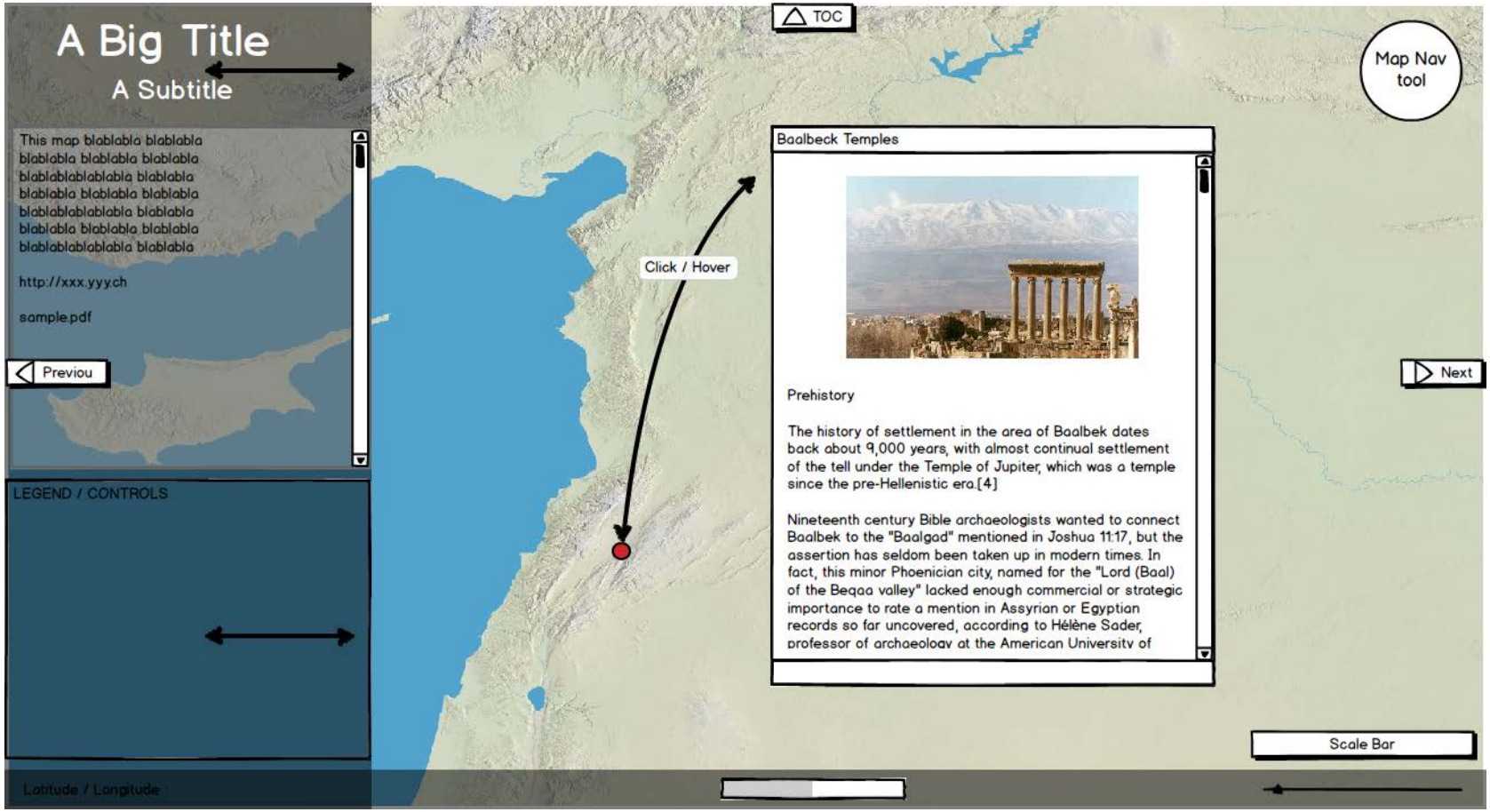
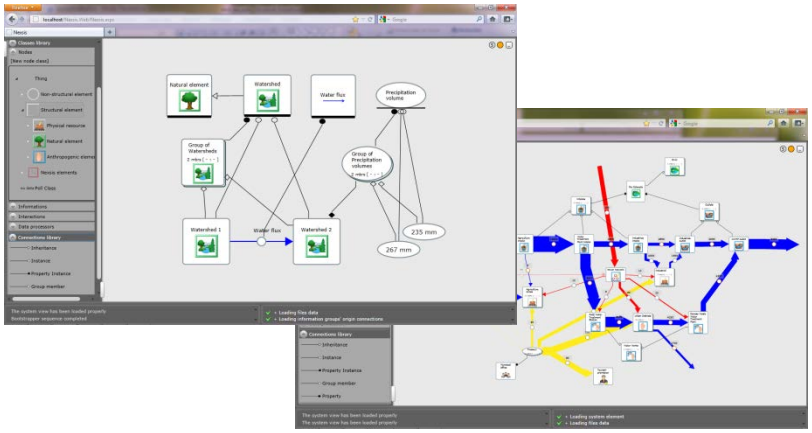
Interface de base…



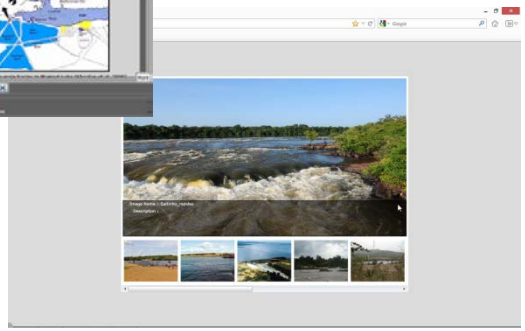
… à compléter avec d'autres interfaces de visualisation

Représentations schématiques



Représentations composites

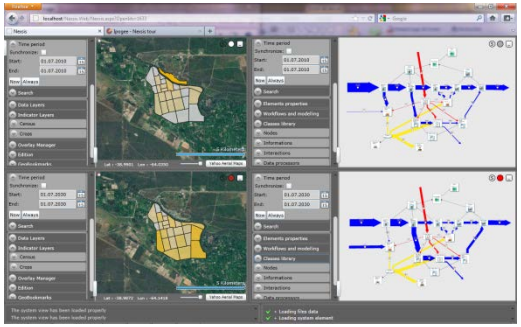
Albums



Représentations diachroniques

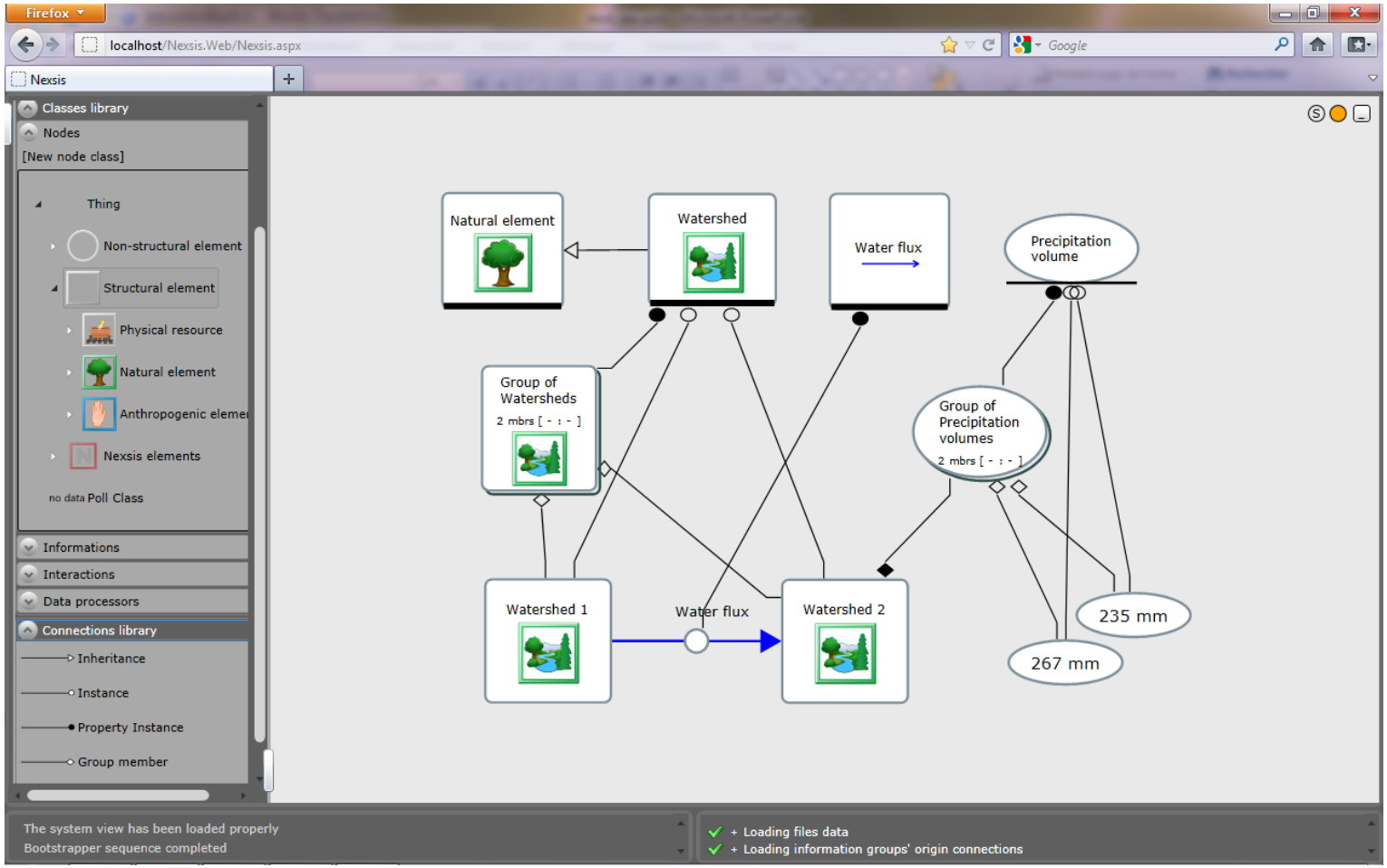
2010

2030



Définition et évaluation de scenarios

C’est tout…, merci !


Firefox
localhost/Nexsis.Web/Nexsis.aspx
Google
Nexsis
Classes library
Nodes
[New node class]
Thing
Non-structural element
Structural element
Physical resource
Natural element
Anthropogenic eleme
Nexsis elements
no data Poll Class
Informations
Interactions
Data processors
Connections library
Inheritance
Instance
Property Instance
Group member
Natural element
Watershed
Water flux
Precipitation volume
Group of Watersheds
2 mbrs [- : -]
Group of Precipitation volumes
2 mbrs [- : -]
Watershed 1
Water flux
Watershed 2
235 mm
267 mm
The system view has been loaded properly
Bootstrapper sequence completed
+ Loading files data
+ Loading information groups' origin connections