

## I - Epistemology

1. State of the Art - 50% - ETA 1M  
*Manual overview of the litterature*
2. Algorithmic Systematic Review - 80% - ETA 0,5M  
*Quantitative Analysis of disciplines compartmentation*
3. Text and Data Mining - ETA 2M  
*Extraction of scales, purposes, mechanisms of models from full textes*

**Cybergeog**

with COMMENGES, COTTINEAU, CHASSET

ETA 0.5M

**Essay Epistemo**

ETA 0.1M

**Meta-Zipf**

with COTTINEAU

ETA 0.2M

**Reflexivity**

ETA 0.5M

## II - Methodology

1. Space Matters - 80% - ETA 0.5M  
with COTTINEAU, LE TEXIER, LE NECHET  
REUILLON
2. Model Coupling - 50% - ETA 0.3M
3. Meta-Framework - 50% - ETA 0.3M
4. Correlated Synthetic Data  
25% - ETA 0.3M
5. Scaling Sensitivity  
80% - ETA 0.1M
6. Stochastic Urban Growth  
80% - ETA 0.1M
7. Approx. Bayesian Computing  
ETA 1M

## III - Prospective Modeling

1. Density Model - 50%  
ETA 0.5M
2. Network Morphogenesis - 20%  
ETA 1M  
with LAGESSE, DUGUE
3. Coupled Morphogenesis  
ETA 1M
4. Reproduction/Modelography  
25% - ETA 0.5M

## IV - Empirical

1. Empirical Correlations  
50% - ETA 1M  
*Network/Density correlation on Europe, at different scales*
2. Econometrical Meta-analysis  
ETA 1M  
*Learning from econometrical litterature*
3. Empirical Analysis : IdF Data  
ETA 1M  
*Rules for Network evolution ?*
4. Micro spatial Econometrics  
ETA 1M with LE CORRE ?  
*Work on base BIEN*

## V - Thematic Prospect : Modeling Governance

1. Lutecia - 50% - ETA 1M with LE NECHET  
*Toy-model of coevolution including game-theoretic-based decisions*
2. Toy Economic Models - ETA 1M  
*Couple accessibility models with concurency macro-eco models e.g.*

## V - Towards an operational Model Family

### Generic Models ETA 2M

*Assemble the puzzle for a generic model family  
(accross scales, places and processes)*

### Applicated cases ETA 2M

Propose a project : with BRETAGNOLLE et al. ?

Sud Africa : with BAFFI ?

France : with REMI, QUEROY ?

URSS : with COTTINEAU ?