Group 5 : detection and attribution of climate change

Group 5 :

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Proposal scope

- Methodology :
  - Improve existing linear fingerprinting models
    - tackle issues related to high dimension
    - introduce bayesian statistics (multimodel)
  - Propose alternative, non linear fingerprinting models
    - explore low to intermediate complexity models
    - explore inverse problem methods for resolution
  - Propose high dimensional fingerprint search algorithms

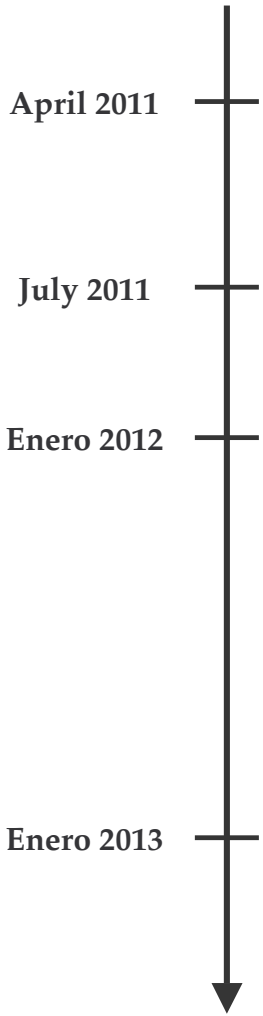
- Applications :
  - Regional studies :
    - take advantage of CMIP5 + new dataset on LPB
    - extreme temperatures + associated weather patterns
  - Impactos
    - Hidrologia
    - Salud / mortalidad
    - Rendimientos agropecuarios
  - Global studies

Can we solve some of the many methodological issues associated to the standard model ?

Can we reconsider the model itself based on new approaches ?

Can we detect and attribute climate change over Argentina / LPB / Latin America ?

Timeline for call proposals in D&A



Impacts D&A

- Meeting with other groups
  - V. Barros, INTA
- LEFE proposal
- Multidisciplinary initial studies
  - Hydrology
  - Soybean yields
  - Synergies with France
- Framing a wider proposal
  - Scope
  - Participants
  - Data
- Multidisciplinary proposal
  - GICC proposal /

Methodology / theory D&A

- Testing approaches
- Iterations : meeting between participants
  - AH, AR, PN
- ANR young scientist proposal
  - AH, AR (tbd)

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1. Proposal scope

- What don't we know that matters ?
- What is the relevance of the question ?
- What is the extent and scope of the proposal ?

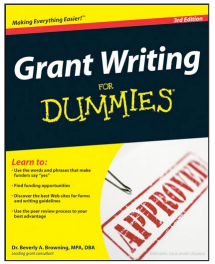
2. Proposal organisation and needs

- What is the method followed ?
- Who are the participants and partners ?
- Who leads the proposal ?
- What are the resources needed ?

3. Fund seeking plan

- What are the suitable calls ?
- What is the primary target ? the back-up targets ?
- What is the application calendar and resulting action plan ?

Group session kick-off: sketching grant proposals



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4. Proposal writing plan

- What is the outline and structure of the proposal ?
- What are the appropriate steps to get the writing done ?
- Who does what, when ?