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## The Provence Coalfield: trajectory, assessment and prospective

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► **To cite this version:**

Jean-Claude Raynal, Sylvie Daviet, Alexandra Schleyer-Lindenmann, Pierre Batteau, Y. Noack. The Provence Coalfield: trajectory, assessment and prospective. International Symposium of LabEx DRI-IHM 2023, Jun 2023, Strasbourg, France. , 2023, 10.34972/driihm-add3a6 . hal-04171155

**HAL Id: hal-04171155**

**<https://hal.science/hal-04171155>**

Submitted on 26 Jul 2023

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# The former Provence Coalfield: Trajectory, Assessment and Prospective



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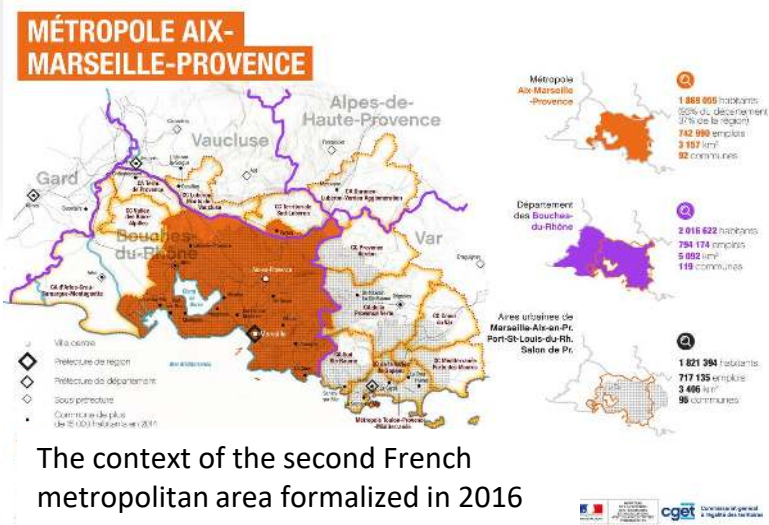
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## Reporting on the work\* of the observatory since 2007

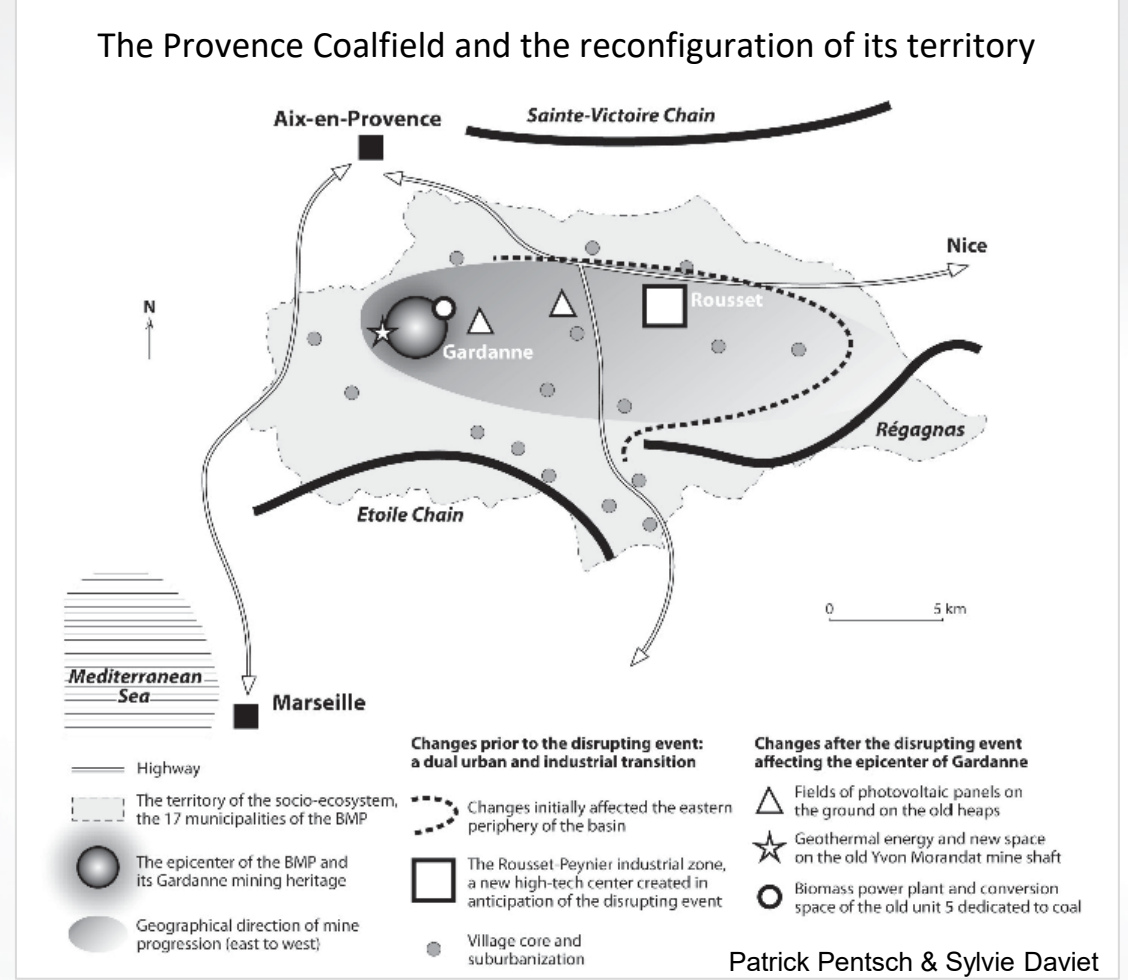
### Materials and Methods

- Socio-Ecosystem responses to the disruptive event
- The research device through the calls for projects:
  - contribution of disciplines
  - major topics (lexicography of projects titles via IRaMuTeQ)
- The implementation of the science/society interface
- Main conclusion

\* Collective work produced for *Compte-Rendus de l'Académie des Sciences*



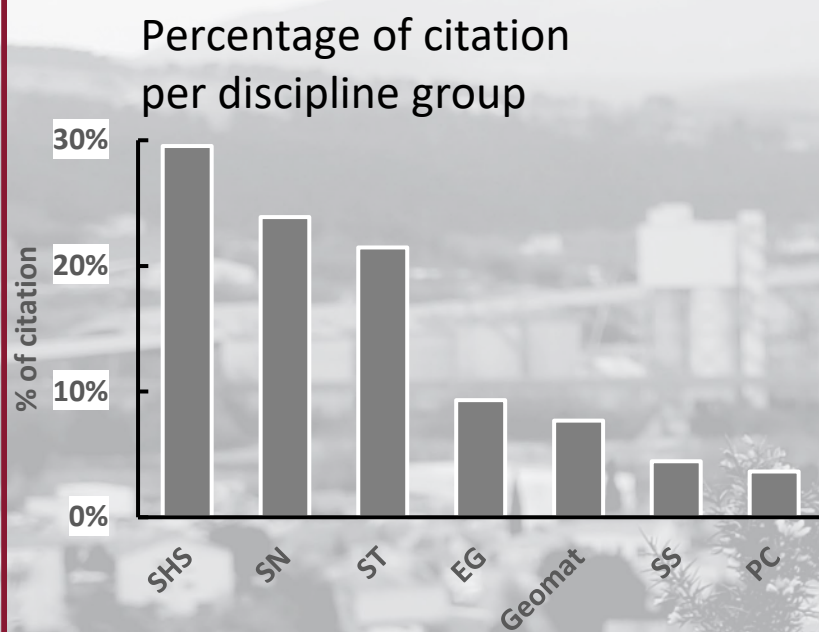
\* 1980-2000, before the closure of the mine (disruptive event), the changes mainly affected the periphery of the basin (suburbanization, microelectronics).  
\* Since 2003 (the disruptive event) the changes affected the center of the basin: it is the end of the coal power plant; the end of the Bayer process in the alumina factory, the end of the communist municipality ...



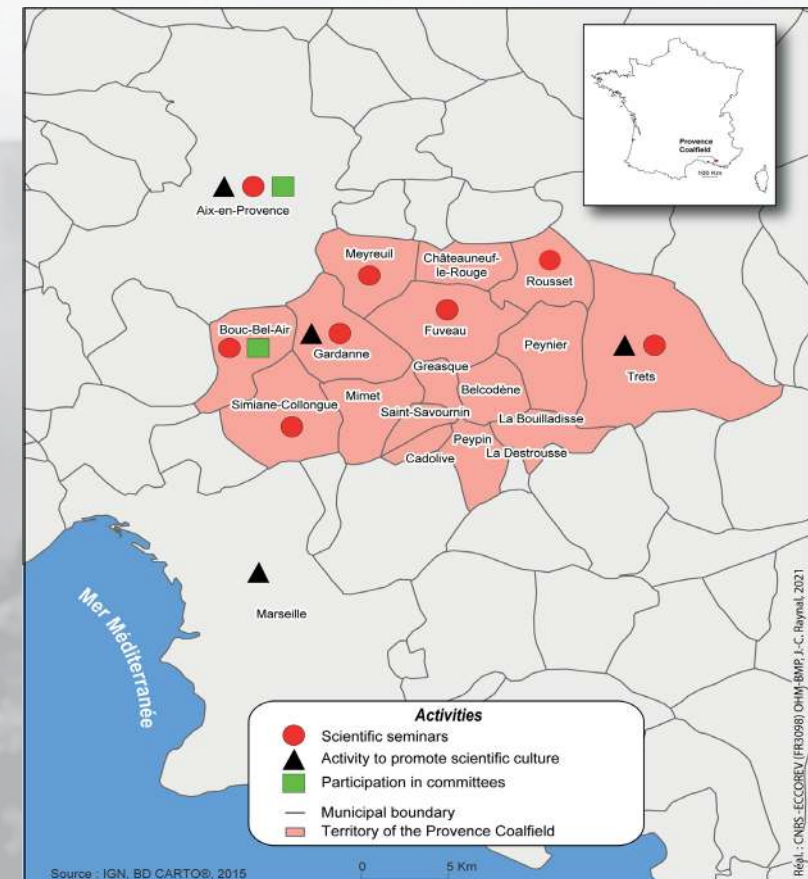
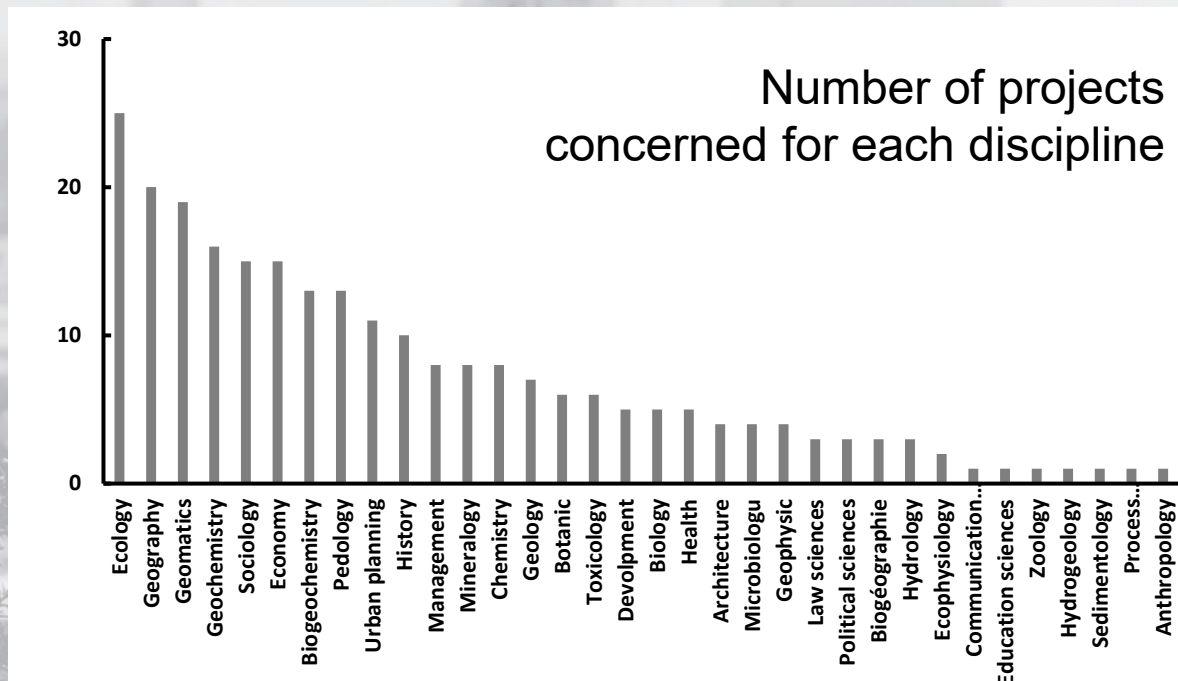
## Major trends of the Socio-Ecosystem (SES): the multiplication of disruptions

### Distribution of disciplines mentioned in the projects

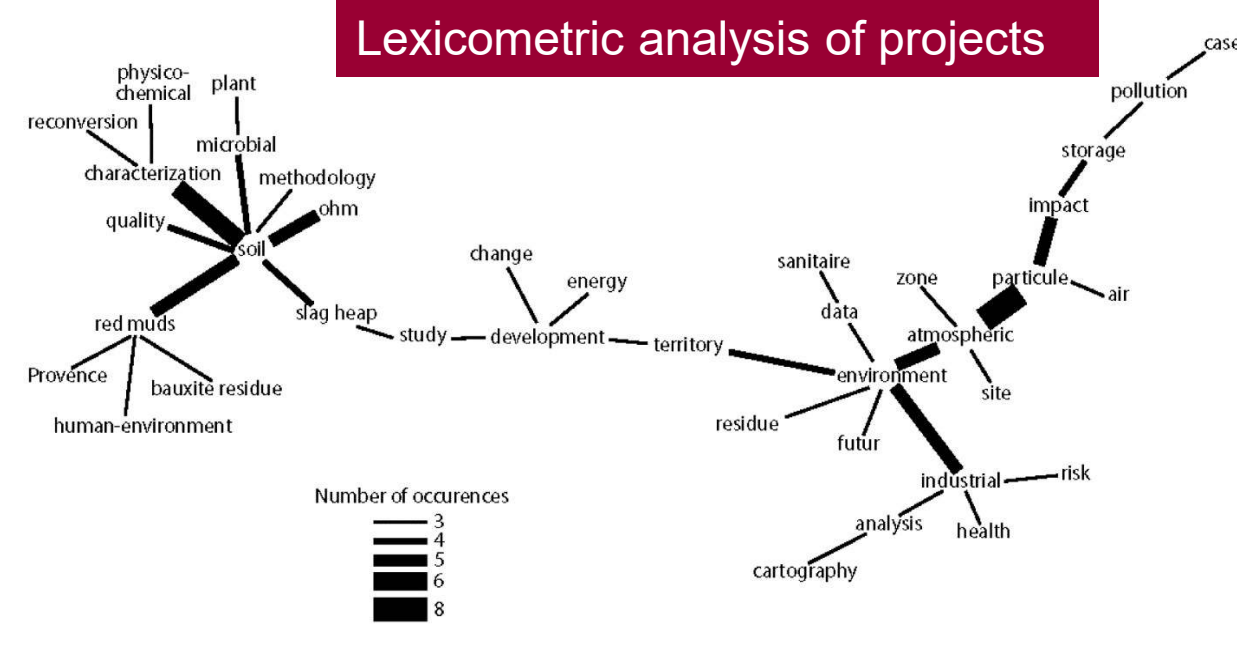
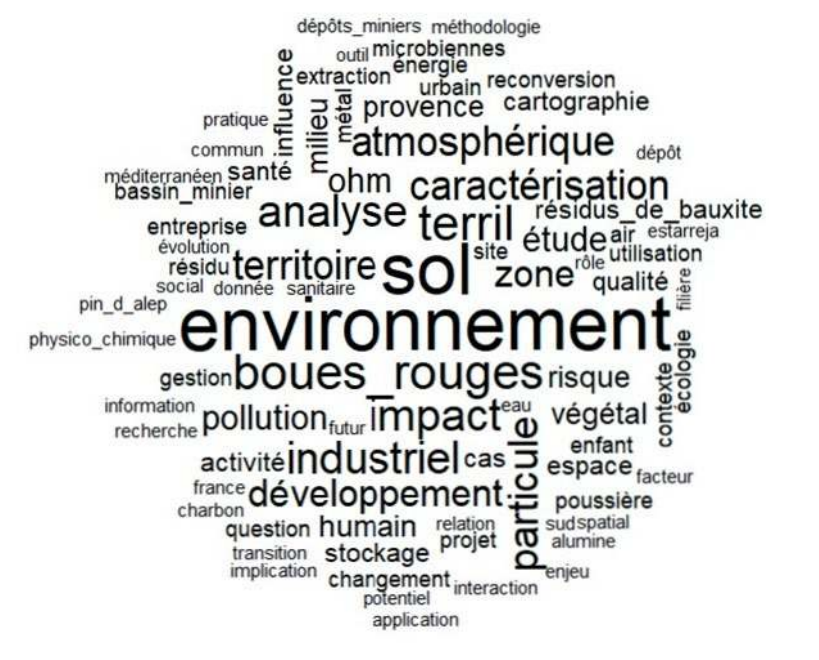
Rather well balanced and giving rise to many interdisciplinary projects



ST= Earth Sciences; SHS = Human and Social Sciences ; SN = Ecology and Biology; EG = Economy and management ; PC = Physico-chemical Sciences ; Géomat = Géomatics; SS = Health Sciences



### Lexicometric analysis of projects



### Research content structured by two main topics : soil analysis and environment

Concerning these two topics, the association graph shows the importance of related dimensions : objectivation through methodologies, and issues at stake : human-environment relation, territorial development, pollution, health.

## Conclusion: Towards which new equilibrium?

We can imagine at least two scenarios for the former Provence mining basin :

- The first would lead to a strong deindustrialization with a rejection of heavy industry
- The second would lead to a more negotiated balance between economic activities, residential needs and environmental protection.

