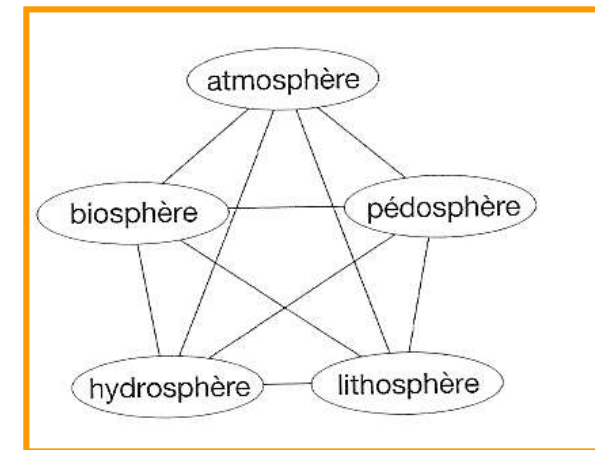
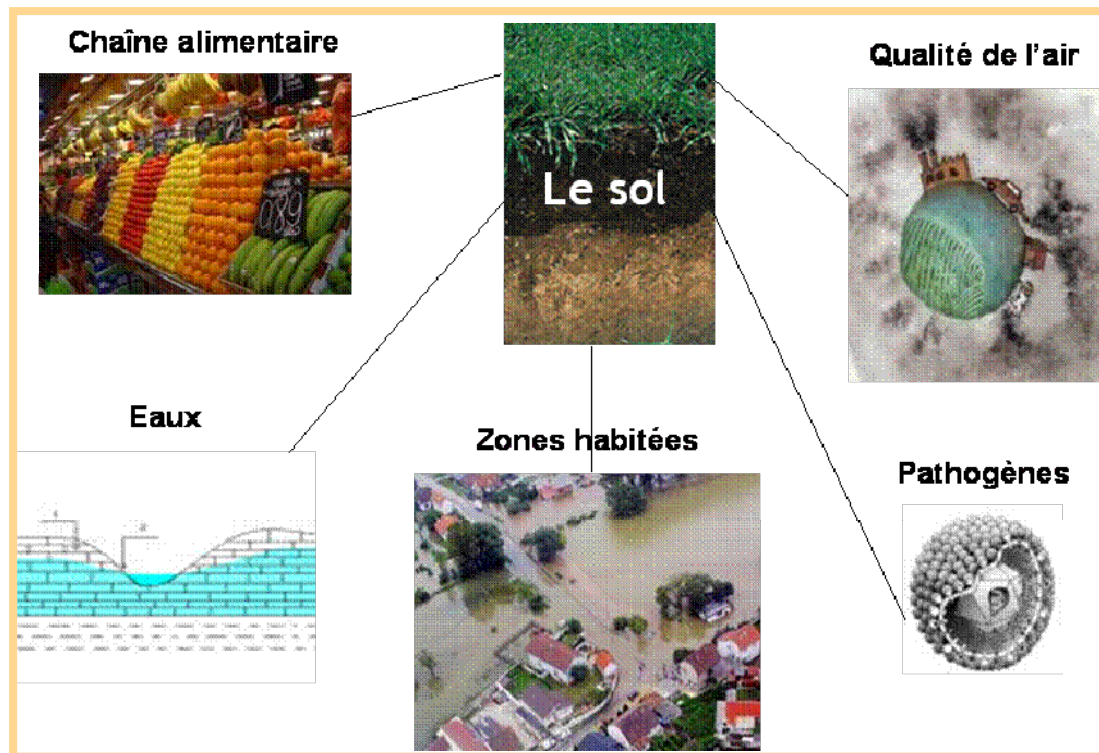


How to arbitrate the uses of urban soils on "quality" criteria; The importance of interactions between knowledge and know-how and transdisciplinarity.

Dumat C., Sochaki L., Messina M., Dupouy D., Schreck E.



Uses and challenges of urban soils



- Ecosystem services : which ones are privileged ?
- Interpretation State of the Media (IEM) / Use
- Policy ↔ Public space

Arbitrating on soil quality criteria!

❑ Agronomic quality & Other qualities ... What are we talking about? Complex ecosystems.

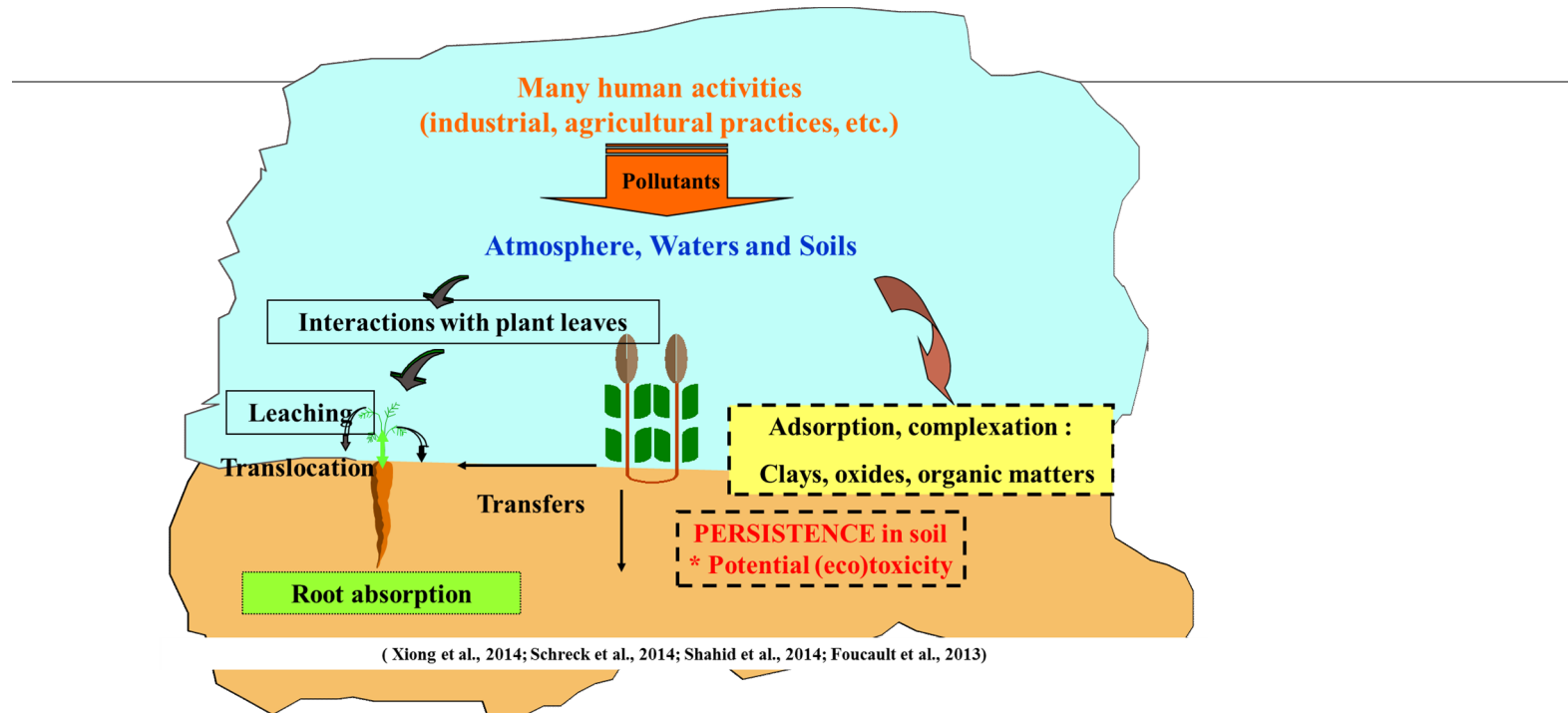
❑ Continuum / criteria measured and observed.

❑ As in human health, cost-benefit arbitrage: humanistic efficiency and common sense!



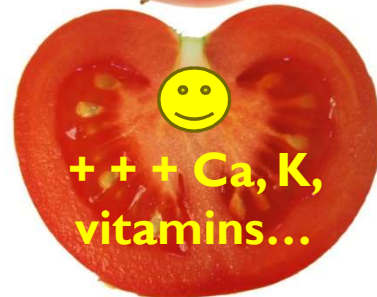
+ Measures and observations
→ + scientific knowledge.
But, ↑ budget, t consumed !
REX - Regulation - "MOOC"

Continuous soil artificialization reducing the cultivated area (490,000 hectares lost, 2006 to 2014 in France). In addition, environmental pollution is often observed → (eco) toxicity.



Complex Ecosystems : Soil-Plant-Atmosphere-Nutrients
And pollutants ... Numerous interactions! Communicate pedagogically and collectively develop operational tools, procedures and regulations: Society & Science.

Expectations of the gardeners: quality vegetables!



- ☐ High biomass produced.
- ☐ Tasty productions.
- ☐ Various nutritional intakes.
- ☐ And of course, no pollutants!

-What to look for?
History, databases

-Regulations?
Ex. Cd, Pb, Hg and not As ...

-Crématorium non ICPE

Interactions knowledge & know-how and transdisciplinarity.

❑ “With ifs, we put Paris in the bottle!

...

Complexity ↔ Simplexity

❑ Approach by skill !

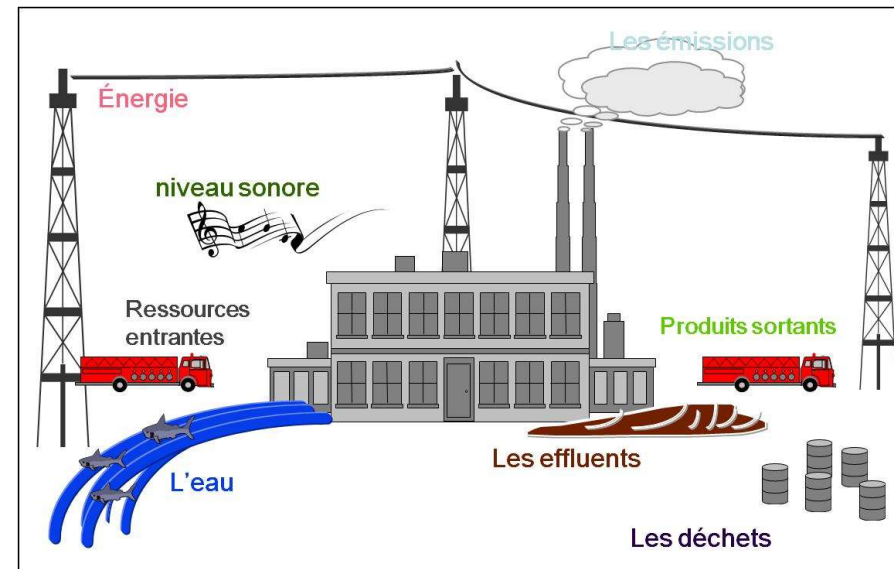
❑ Respectful interactions → synergies
[researcher & farmer]



-Integrated regulation

-Collective scientific expertise

- ❑ ICPE / soil protection.
- ❑ But in reality: there is also lobbying, knowledge gaps ...
- ❑ The means of continuous improvement and criteria to check progress.



Thank you for your attention

Multi-stakeholder and transdisciplinary projects underway ...



- Change of practices
- Pragmatic remediation
- AU, zone of the 15 sols

