

ComplexTerrit

- enjeux numériques et juridiques

Ens de Lyon, 28 mars 2018

Atelier CapNat ENS - EPFL

Ioan Negrutiu - Quelques bases conceptuelles et opérationnelles

l'International Resource Panel, UNEP – approche systèmes alimentaires - ressources

UNEP (2016) *Food Systems and Natural Resources. A Report of the Working Group on Food Systems of the International Resource Panel.* Westhoek, H, Ingram J., Van Berkum, S., Ozay, L., and Hajer M.

Doctrine ressources – santé inclusive / planétaire : Acunzo et al 2018

Plan Ressources pour la France, 2017 : groupe interministériel

IPES Food 2017: To big to feed + The food-health nexus

+ vos contributions diverses : territoires-apprenants, outils complexité, ...

30 fiches pour 30 structures, organisations, programmes
(5 global + 6-7 EU + 8-9 national + 10 recherche)

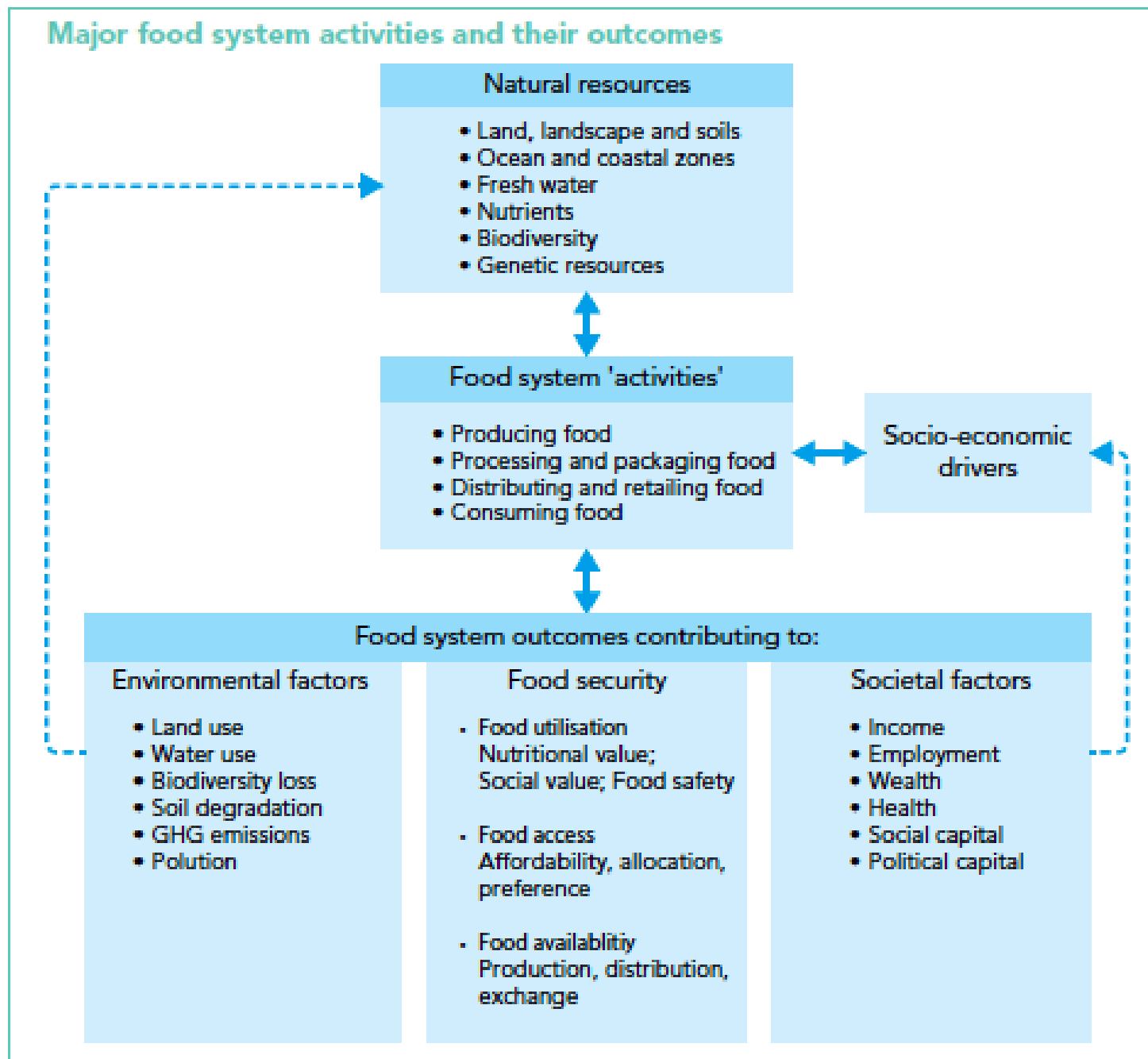
100 mots-clés, évaluer leur occurrence
12 thèmes pour répartir les mots-clés

Indicateurs : inflation, lobbying vs légitimation

Que-ce qui compte ?

Qui décide de ce qui compte et fait les choix des instruments d'aide à la décision?

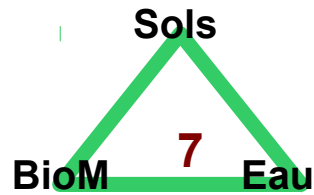
Figure 1 Relation between resource use, environmental impacts and food system activities



Twelve critical shifts towards environmentally-sustainable food systems

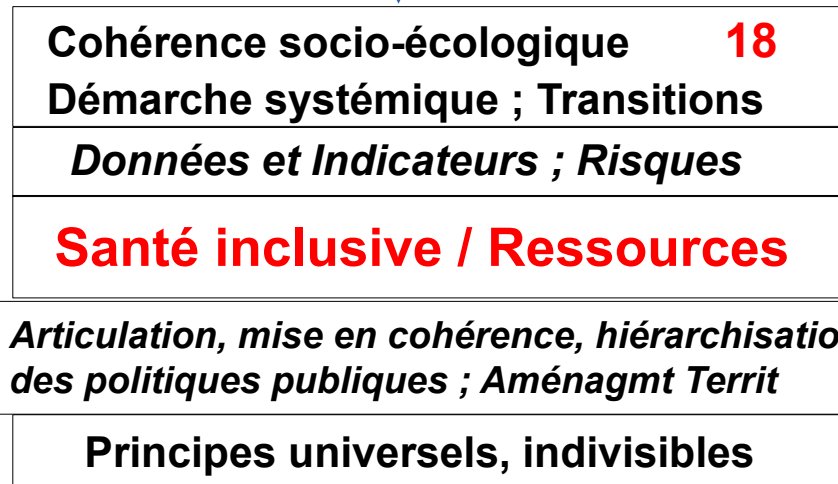
1. *Reduce* food loss and waste.
2. *Reorient* away from resource-intensive products such as meat, 'empty calories' and ultra-processed food; and *rethink* the 'food environment' (the physical and social surroundings that influence what people eat, especially relevant in urban areas) to facilitate consumers adopting more healthy and sustainable diets.
3. *Reframe* thinking by promoting 'resource-smart food systems' in which 'Climate-Smart Agriculture' (CSA) plays one part, and search for linkages to new dominant values such as 'wellbeing' and 'health'.
4. *Reconnect* rural and urban, especially in developing regions, where urban actors (e.g. supermarkets) could invest in regional supply chains and improve the position of smallholders.
5. *Revalue* the pricing of environmental externalities, *reinforce* legislation to prevent pollution and other forms of environmental degradation and *remove* subsidies that provide disincentives for better resource efficiency.
6. *Reconnect* urban consumers with how their food is produced and how it reaches their plates, and inform them about both the health and environmental consequences of dietary choices, protect peri-urban zones around cities and use them for local food production.
7. *Research* the current functioning of the local, national or regional food systems and their impact on national resources.
8. *Reconnect* mineral flows between urban areas and rural areas, as well as between crop and livestock production.
9. *Reform* policies on land and water rights, *develop and implement* policies at all levels of governments (multilateral, national and local) to enable better resource management and encourage synergistic 'adaptive governance' by the wide range of non-state actors (i.e. businesses and civil society) within the food system.
10. *Reinvigorate* investment in rural infrastructure, education, training, technology, knowledge transfer and payments of environmental services.
11. *Research and innovate*, to decouple food production from resource use and environmental impacts, and to replace certain inputs (such as pesticides) with ecosystem services.
12. *Rebuild* feedback loops by functional and informative monitoring and reporting, at various levels, such as countries, cities and companies.

Territoires et systèmes alimentaires (de la fourche à la fourchette)



Agriculture /Alimentation DevRural, PAAC, 7 habitudes alim, santé	GouvernanceTerr Echelles, 9 Formations	AménagmtTerr, Politiques 5 publiques	Ecosystèmes, Eval Env 9
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**Priorités
territoires**



**Priorités niveau
global**

Ajustement 4 ressources/besoins ; mécanismes marché	Démocratie, 8 souveraineté et autonomie alim., Service public	Territoire, communs, propriété 5	Environmt, foncier, eau 12	Mécanismes PAC, Droit 3 concurrence	Paysans, 6 valeurs agro- rurales, droits
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Système de valeurs, normes – numérique... (les pouvoirs ; de la fourchette à la fourche)

=> Fondation Michel Serres

Résultats attendus - Exemples ...

Priorités territoriales

La territorialité des communs et intérêt général

- mise en réseau des utopies réalistes (clubT, EU3F*)
- cohérence socio-écologique de la gouvernance (trajectoires des transitions)
- aménagement territoire
- restauration collective
- ...

Santé inclusive

Priorités niveau ± global

- socle universel des droits sociaux
- droit de l'ajustement ressources
- directive UE sols
- santé inclusive déclinée à des échelles multiples (IRP, Plan Ressources France, ...)
- mise à jour de la RMA** 1991 à l'aide des systèmes alimentaires (IRP, iPES Food)
- mise à jour de la déclaration de la Havane (1948)

- ...

* Club des territoires, France
EU Food and Farming Forum, iPES Food

** Resource Management Act, Nouvelle Zélande