



# LAB'INSIGHT

Come into the labs



Belgian Pavilion  
Milano 2015

## FEEDING THE PLANET IN 2050

24TH of June 2015  
Belgian Pavilion



# EARTH AND LIFE INSTITUTE

Faculty of Science

[www.uclouvain.be/eli](http://www.uclouvain.be/eli)

UNIVERSITY OF LOUVAIN (UCL)



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*Agroecology  
A new management  
of food systems*

**Prof. Philippe Baret**

**Professor**

**[philippe.baret@uclouvain.be](mailto:philippe.baret@uclouvain.be)**

FSE



UNION EUROPEENNE



Wallonie

LE FONDS SOCIAL EUROPEEN ET LA WALLONIE  
INVESTISSENT DANS VOTRE AVENIR.

# AGROECOLOGY

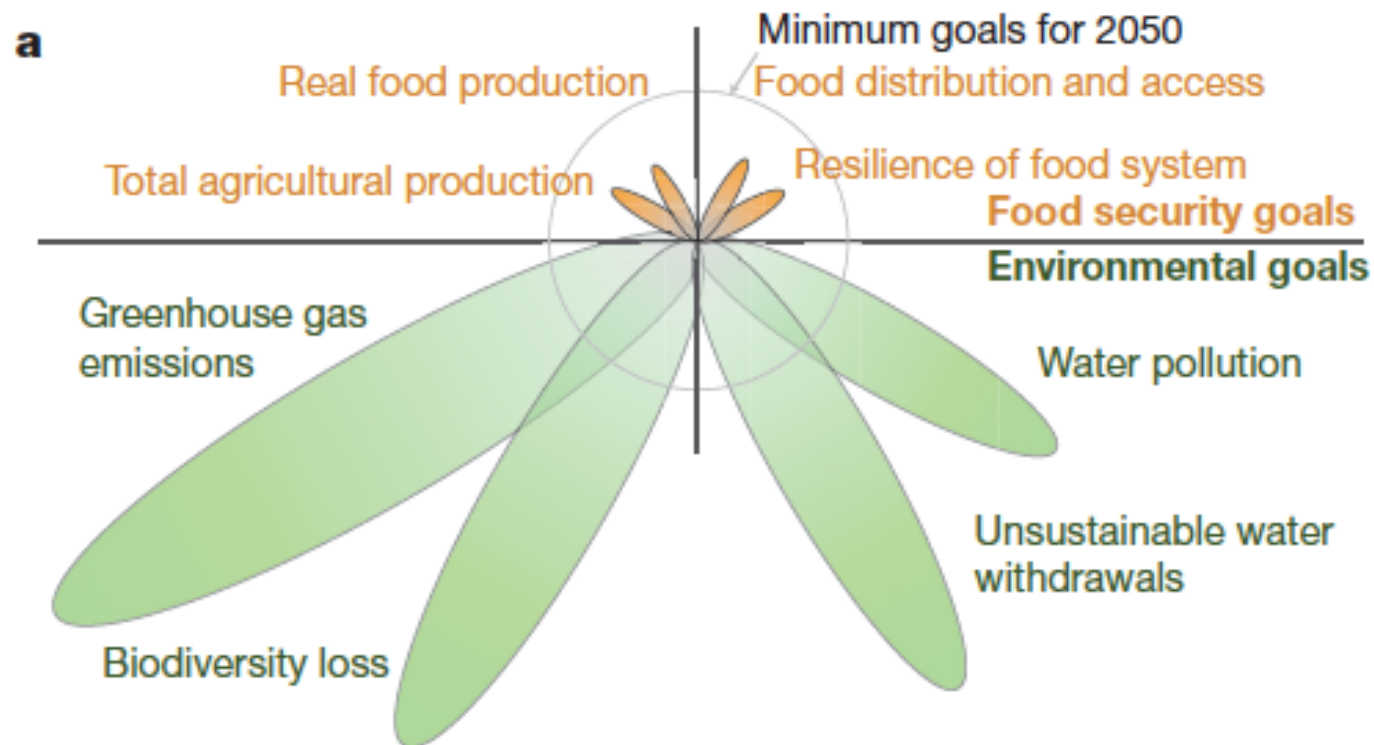
*Bref descriptif du projet choisi*

- ✓ Agroecology is a new proposition for a sustainable management of agricultural and food systems
- ✓ Belgium is leader on this topic in Europe with a network called GIRAF, Groupe interdisciplinaire du FNRS sur agroécologie
- ✓ The group comprises scientists from different universities in Wallonia : Ulg, ULB, UNamur & UCL

## OBJECTIVES OF THE PROJECT

- ✓ To build a new paradigm for sustainable agriculture
- ✓ To legitimate small scale and self-sufficient farming systems as an option for addressing issues as food security, climate change and loss of biodiversity
- ✓ To rebalance investment in agricultural research toward alternative promising pathways
- ✓ To take advantage of other forms of knowledge based on peasant practices and traditions

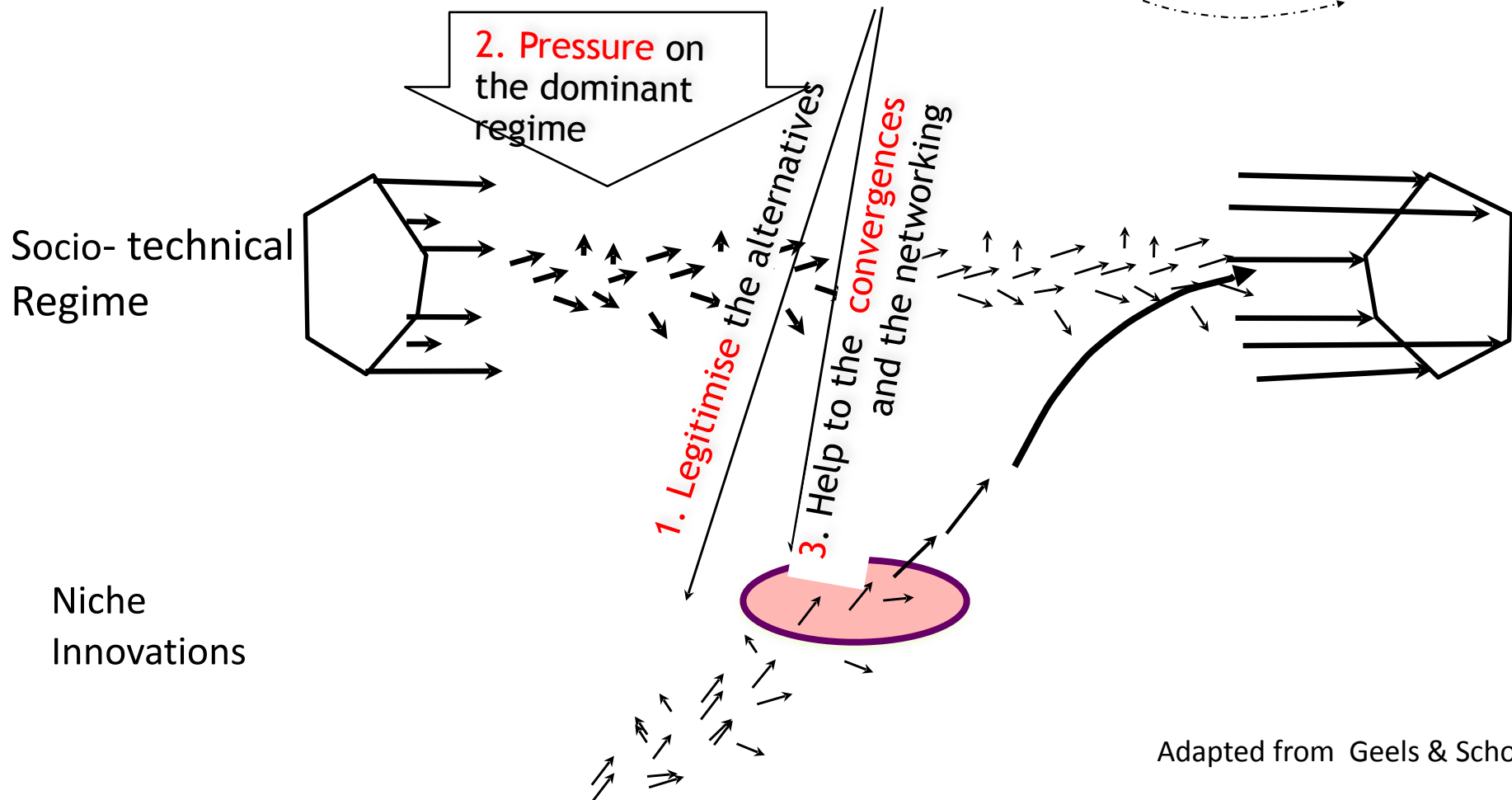
# NEW CHALLENGES OF FOOD SYSTEMS



# TRANSITION











Socio-technical landscape  
( Exogene context)

- Protection
- Learning, vision, networks
- Empowering (capacitation)



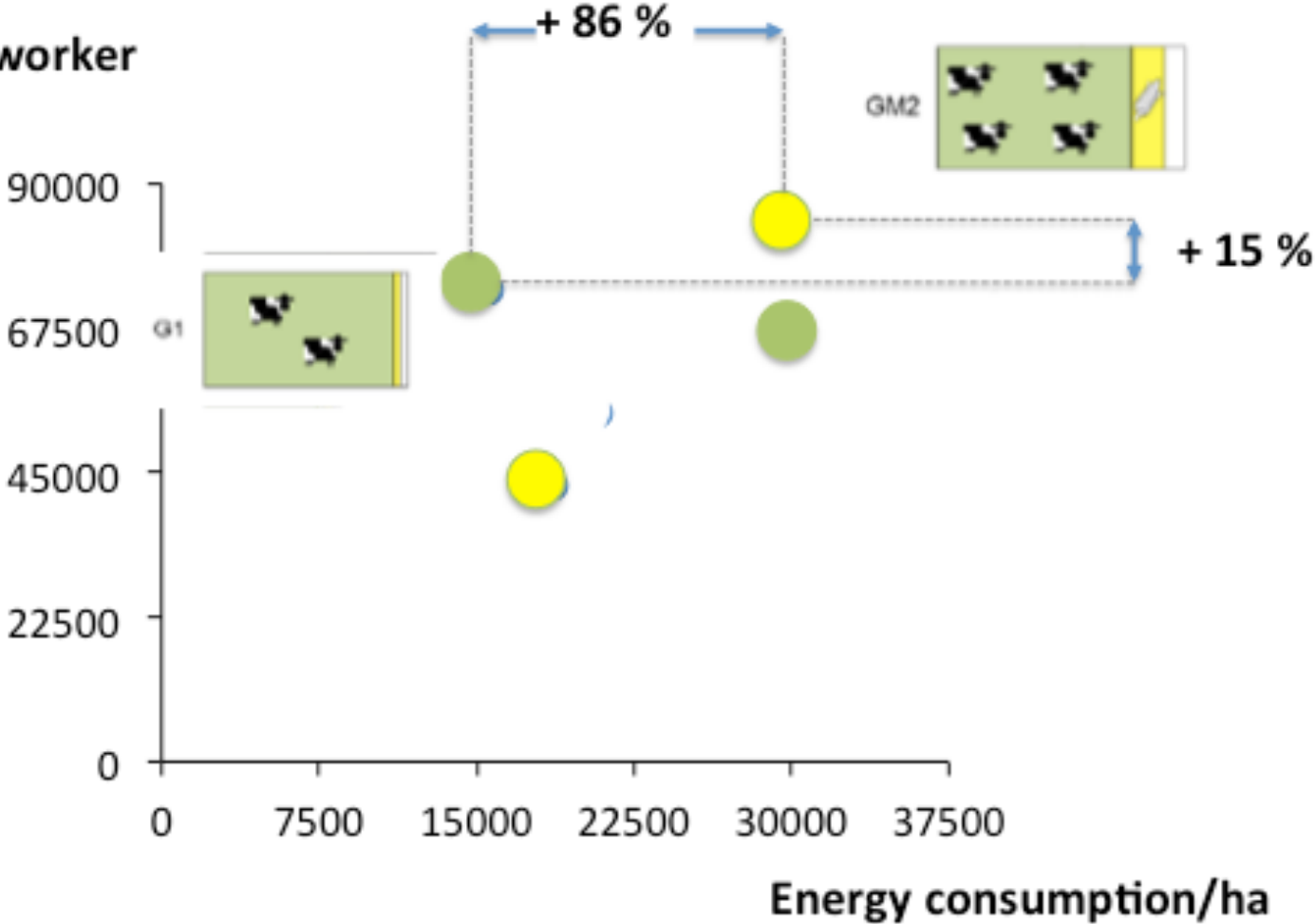
Adapted from Geels & Schott 2007

# DAIRY SYSTEMS IN TRANSITION

	STRUCTURE	ENVIRONNEMENT	ECONOMY		
			income	efficiency	subsidies
C			-	-	-
G1			+	++	+
G2			+	+	++
GM1			-	-	+
GM2			++	+	++

# DAIRY SYSTEMS IN TRANSITION

Income/worker



## CONCLUSION

- ✓ Innovation is at the heart of alternative systems
- ✓ An uncertain world requires a diversity of option
- ✓ Agroecology is at the interface of science and action
- ✓ A multidisciplinary approach is the key for a systemic vision of food systems

**To go further**

[www.agroecologie.be](http://www.agroecologie.be)  
[www.philagri.net](http://www.philagri.net)

