Impact assessment and scenario ranking / LISAH

Objectives: conducting simulations of ecosystem services for given panels of scenarios, to next rank these scenarios on the basis of durability.

Method: using well known modelling tools (e.g., SWAT) and innovative tools (e.g., MHYDAS + DHAM-reservoir + SAFYE / AqYield within OpenFLUID integrated platform). Using a panel of indicators, in relation to spatial and temporal scales, and to targeted ecosystems services, to be analysed with stakeholders.

Impact assessment and scenario ranking / LISAH

Means

- 1 PhD (MESRS / IRD)
- 1 PhD (CHAAMS granted)
- 1 ALTOS granted post-doc
- NAILA stakeholder committee

Partnership

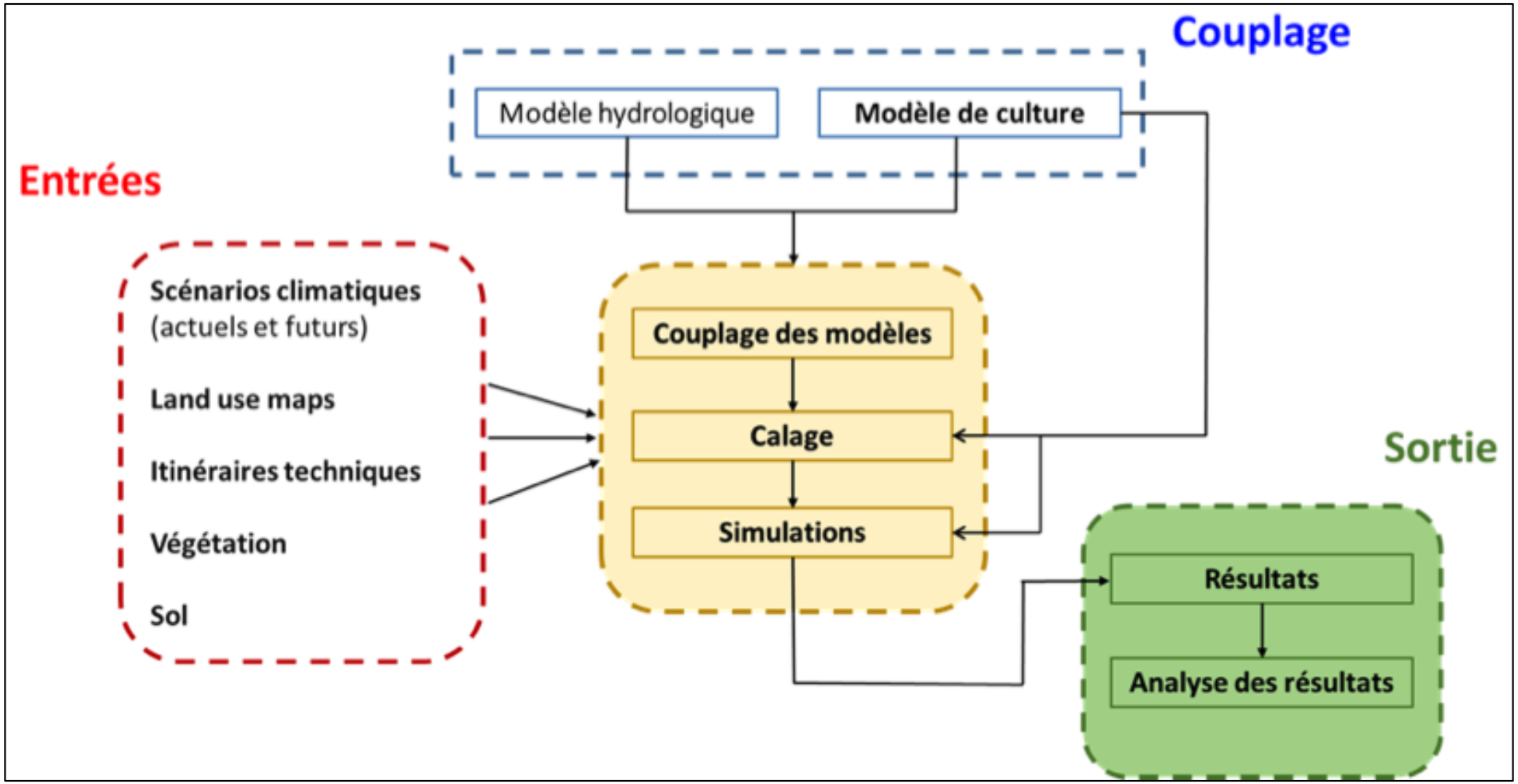
- INRGREF, INAT, UCA, CESBIO

Impact assessment and scenario ranking / LISAH

Table 1.6: overview of scenario impacts along with the involved partners. WUE stands for water use efficiency.

Site	Partners	Modelling schemes	Structures to be modulated						Services				
			Land use	Reservoirs	Benches	Irrigation	Pest management	Climate	Yield & WUE	Catchment outflow	Aquifer refill	Silting	Mitigating pollution
Cap Bon	INRGREF LISAH INAT	MHYDAS & Crop model	X	X				X	X	X	X		
		SWAT	X				X	X	X	X	X	X	X

Impact assessment and scenario ranking / LISAH



Impact assessment and scenario ranking / LISAH

Roadmap

- Nothing up to now.
- Maybe to be addressed in 12 months ?

See also works on SWAT by INRGREF

Impact assessment and scenario ranking / LISAH

Difficulties

- Difficulty to brainstorm internally at LISAH because of the confinement and individual situation of many of the key colleagues in the project.
- Risk of rushing into action on the wrong track.
- If brainstorming with only a few people, risk of non-adherence/ incomprehension of others about the choices made.
- Postponement of the brainstorm until the resumption of activities (May-June?).
- Means postponing the recruitment of the post doc until the beginning of the school year at best, probably in the autumn.