



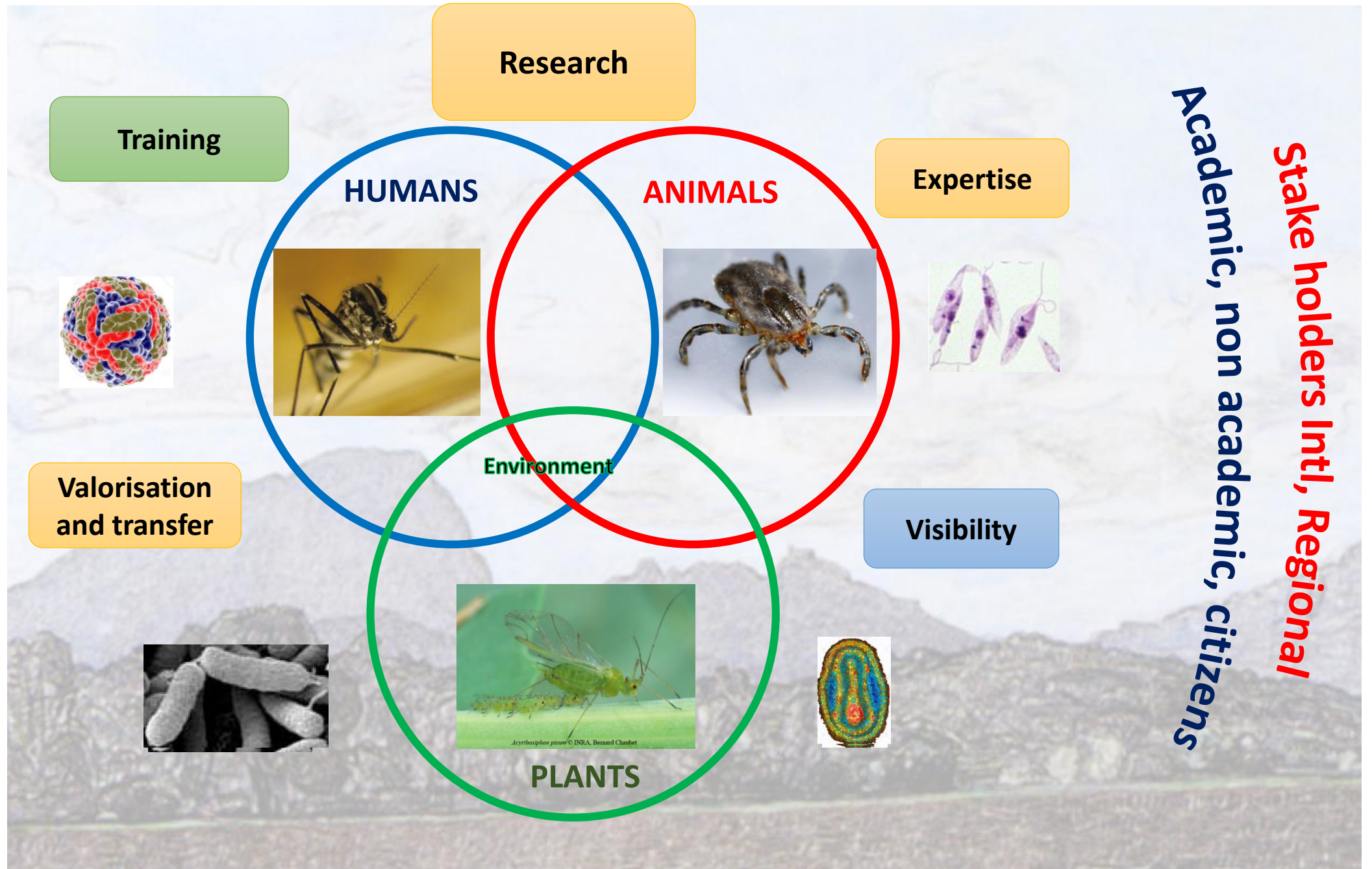
RIVOC

Risks and vectors – Occitanie

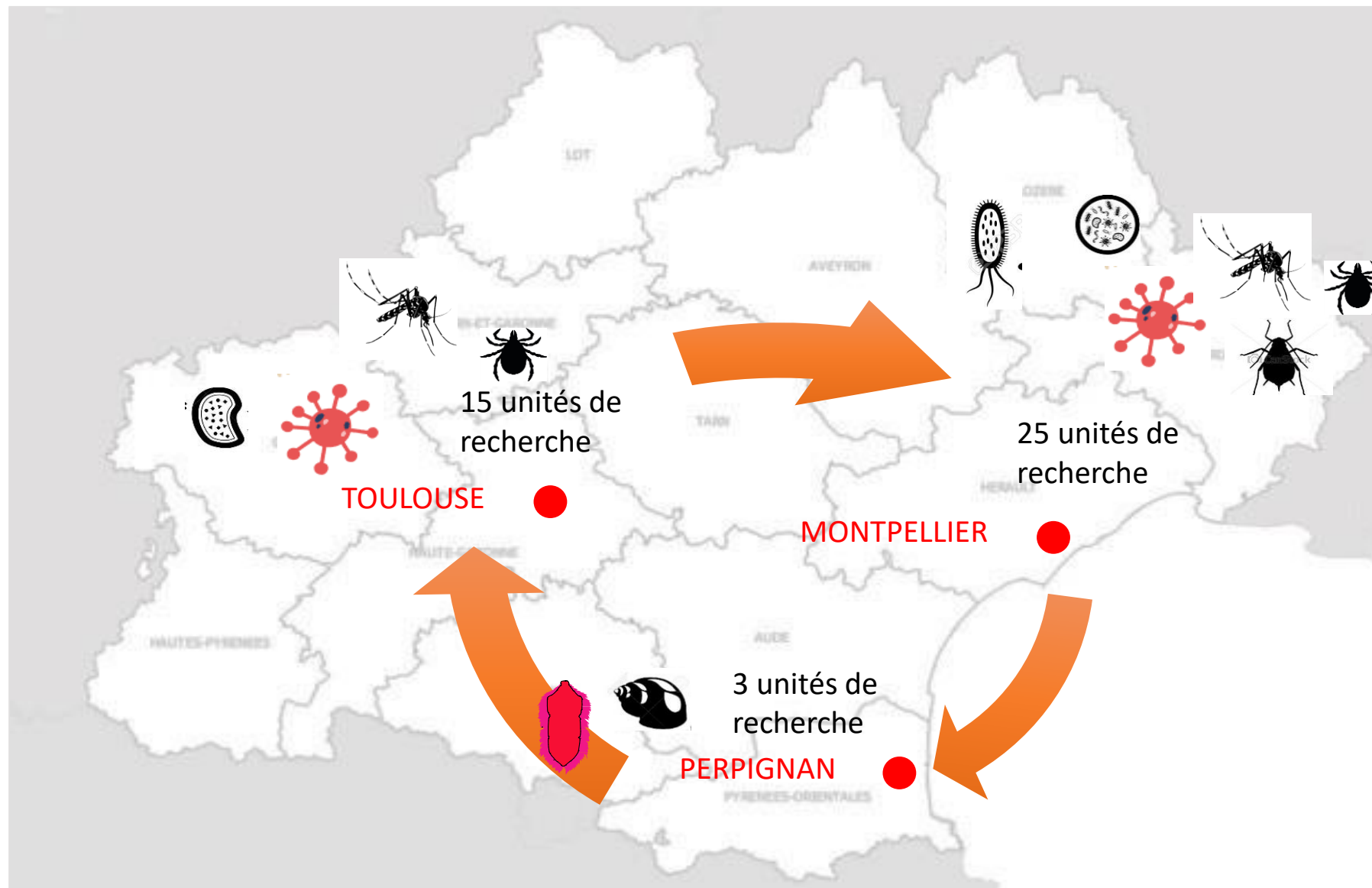
Didier Fontenille, IRD, MIVEGEC



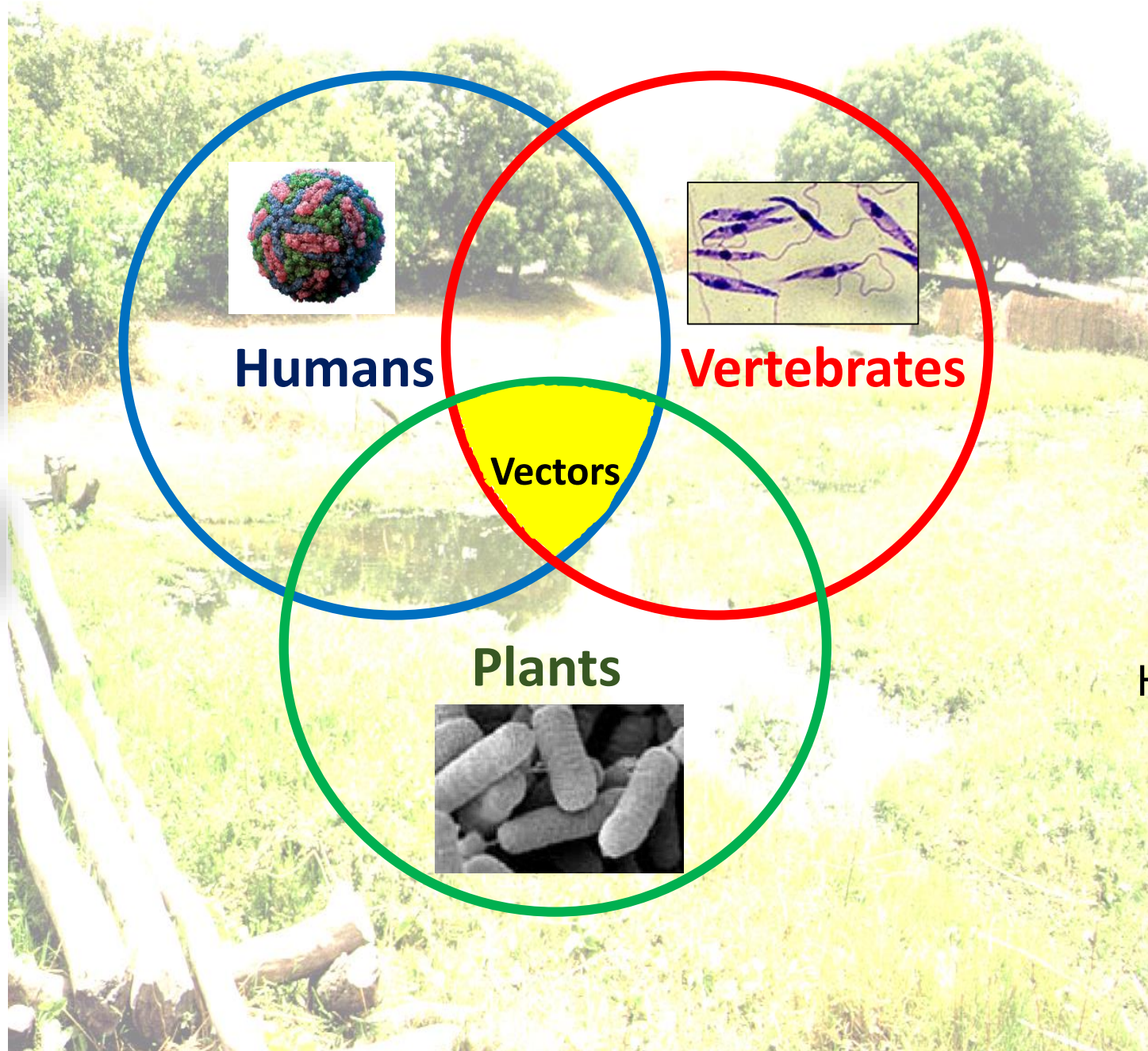
RIVOC one health approach



OCCITANIE Region academic forces



RIVOC



Climate, environmental, practices changes, urbanization, world trade



Spreading and proliferation of **vectors** of pathogens



Increased risk of disease emergence and transmission.



Health, Economic, Environmental and Social Impacts



LOOKING FOR SOLUTIONS

Research

Federative projects

Innovative small projects

Thesis and Masters

Training

Communication and scientific mediation

Valorization

Some examples of RIVOC "solution finding" projects:
surveillance, diagnosis and control

Medium size projects

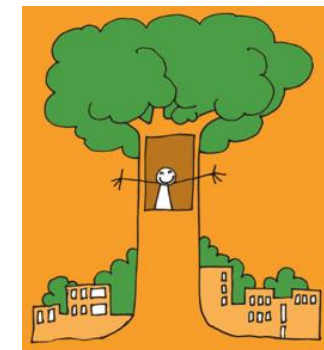
HOLISTIQUE: Biological invasion of *Hyalomma marginatum* tick in Occitania : development of surveillance and modelling tools



MICROVECT: Understanding the vectorial competence of mollusc vectors (*Galba truncatula*, *Bulinus truncatus*) and mosquito vectors (*Aedes albopictus*, *Culex pipiens*)



V2MOC: Positive and negative impacts of urban greening on vector-borne diseases



RESTALBOC: Improving the control of *Aedes albopictus*, through a better knowledge of the adult mosquito biology



Some examples of RIVOC "solution finding" projects: surveillance, diagnosis and control

Small size projects, with valorization potential



NemaBeads Encapsulations of Nematodes in biodegradables Beads : a new approach for mosquito control

BioFlyTrap : Development of bio-compostable traps without insecticide, for an integrated control of hematophagous flies

Tigre_Vol : Catching the tiger mosquito in flight: detecting and identifying it in flight

BioExpoChat : biomarker of cat exposure to *Aedes albopictus* bites

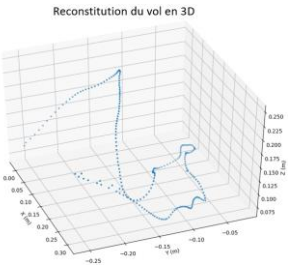
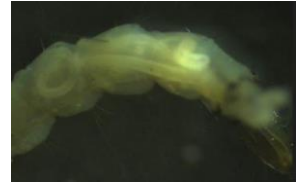
CODESha Canine olfactory detection of sharka disease in plants (Plum pox virus)

NanoMosquito : nanotechnologies in vector control

VALOPICTUS : Use of female *Aedes* pupae from the Sterile Insect production for feeding Fish

Stop-Aedes ; serious game, against *Aedes albopictus*

PIK PAF: a family game on mosquitoes with the company BIOVIVA and the SATT





Merci

