

# VECMAP

#### ARTES 20 Demo Project – Mapping Vector Habitat



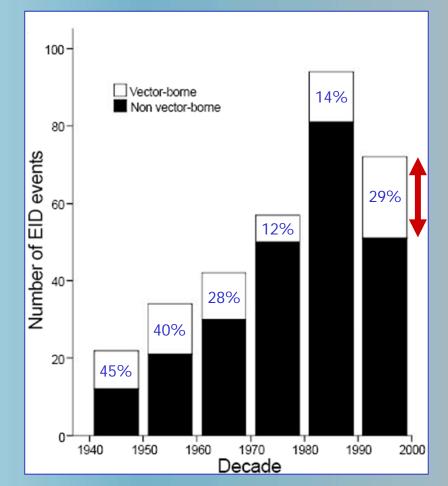








#### **Disease Vector Mapping**



Jones et al., 2008. Global trends in emerging infectious diseases. Nature, 451 : 990-993. http://dx.doi.org/10.1038/nature06536





#### What is VECMAP?

First software suite providing full range of state-of-theart risk mapping tools for hands-on use by non ICT specialists

Developed by leaders in all technical fields involved Uniquely integrated

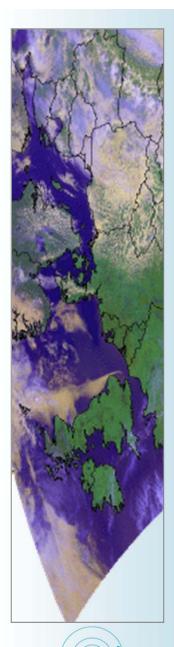
Continuity through upgrades of software systems and EO data

Users can focus resources to obtain best cost-result output

Provides baseline data allowing reliable assessments of change in times of crisis



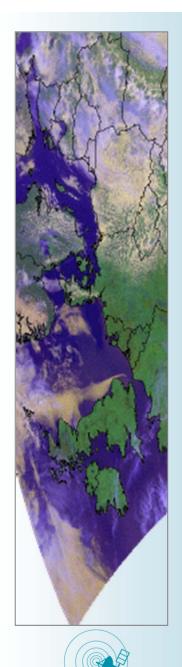




VF

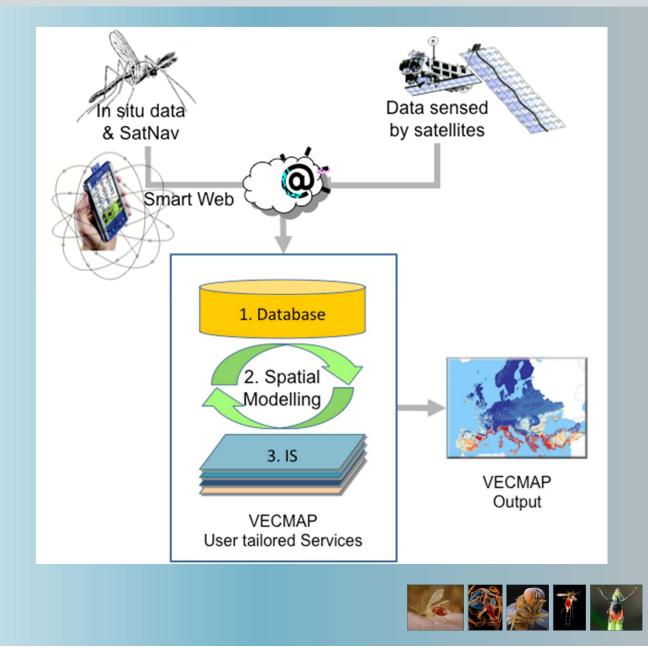
### Feasibility study outcome





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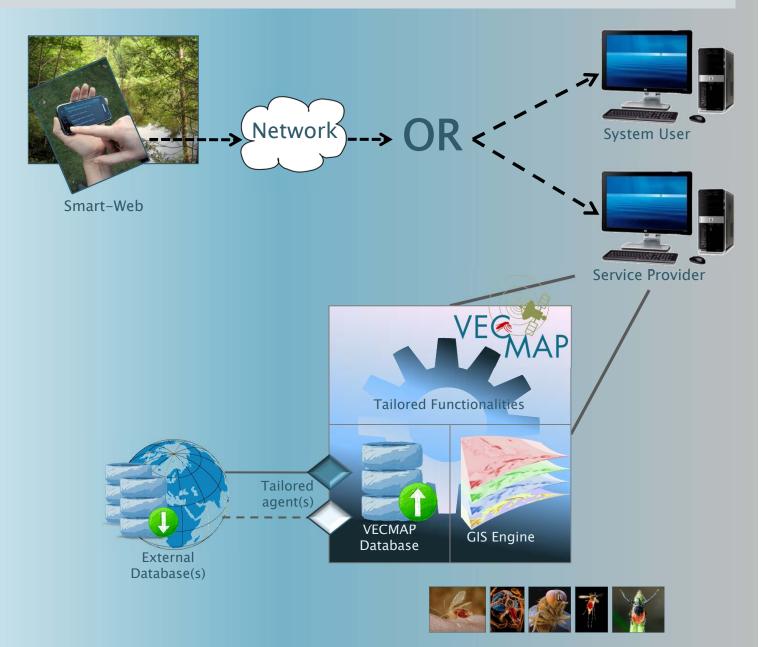
#### High level architecture

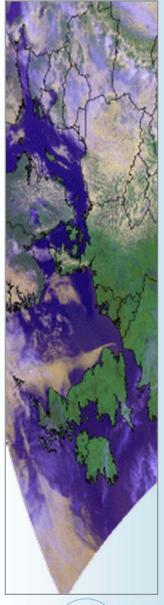




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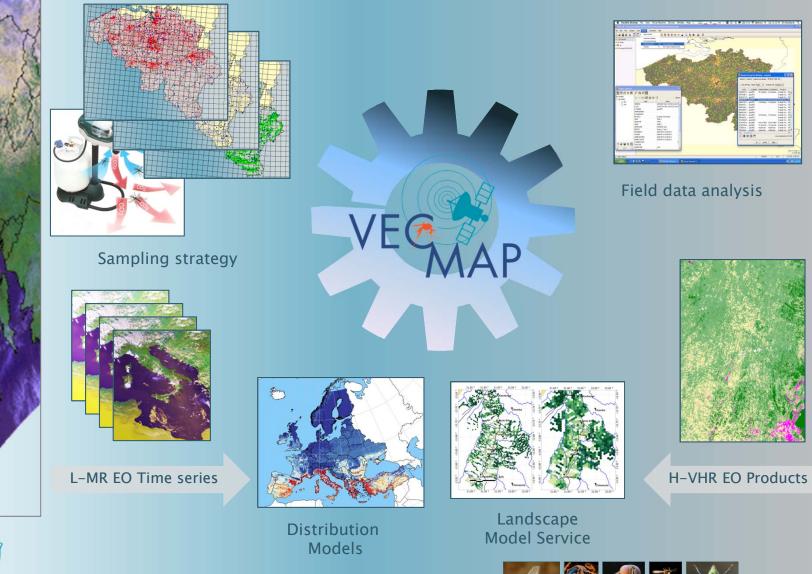
#### **VECMAP** infrastructure





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#### **VECMAP** functionalities





### **Demonstration User Groups**

#### 13 Users

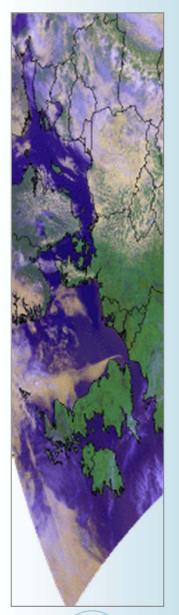
- 5 involved in FS
- 8 new to Demo

#### Four User Groups

- Academic
- Research institute
- Public pest control companies
- Industrial companies including pest control







### **VECMAP** Demo projects

VECAP			Sampling Strategy	Mobile applications	Field Data Analysis	Distribution Models	Landscape Models
Academic	Belgium (Benin)	UCL		Т		Т	
	Switzerland	UZH	М	М	М	М	
	Denmark	DTU	М	М	Μ	М	
	Spain	UIB	М	М	М		М
Research Institutes	Belgium	RBIN	Oth			Oth	
	Netherlands	CMV	MT	MT	MT	MT	
	United Kingdom	CEH	М	М	М	М	М
Public Health Institutes	Netherlands	RIVM	Т	Т	Т	Т	
	Portugal	INSA		М	М	М	
	United Kingdom	HPA	М	М	М	М	
	Albania	NIPH		Μ	М	М	
Public Pest Control	Italy	CAA (2)	М	Μ	М		М







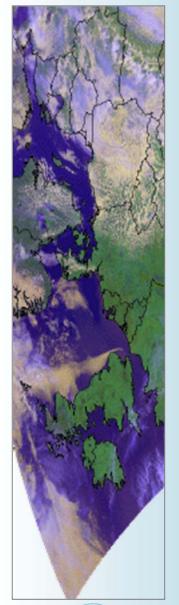
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AP

#### Academic Users





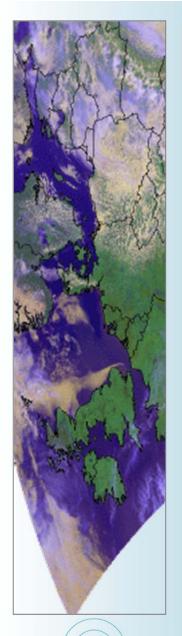


#### Academic User





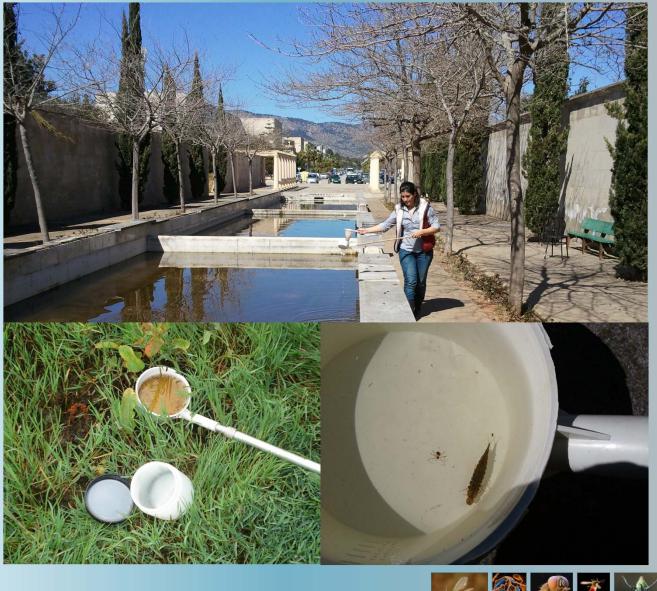




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ΑP

### Academic User







#### Public Health Institute











#### **Research Institute**









#### **Research Institutes**



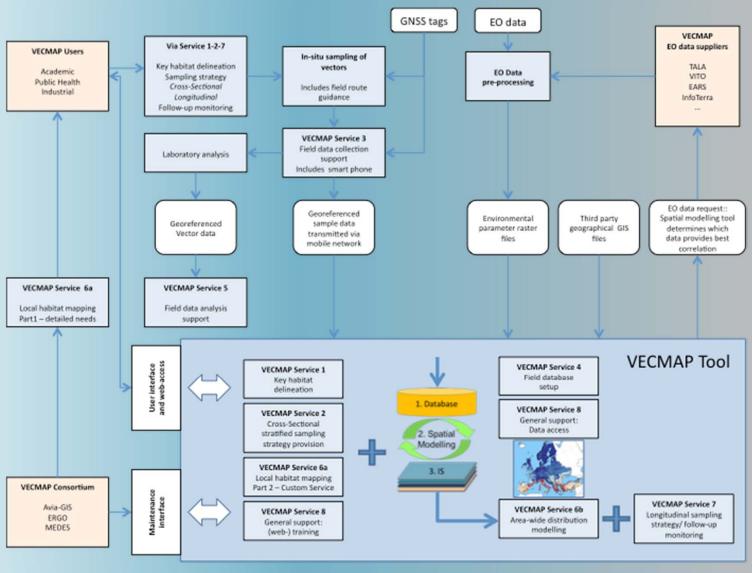




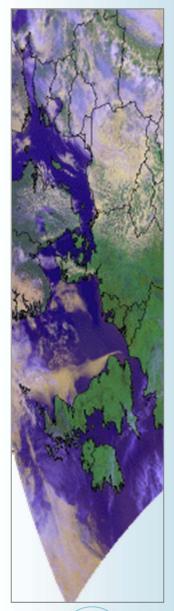




#### **VECMAP Service modes**







### User Involvement Demo

Consolidation User Needs and Requirements resulted in update of UR, SR, and design

Testing of system components during 3 vector seasons

- tutorial e-learning
- test protocol

User feedback solicitation via F2F workshop Pre-operational services provision: verification of VECMAP versus users' defined performance indicators and success criteria







## Sustainability perspectives

Users acknowledge added value of VECMAP network

Success criteria and pricing strategy discussed with broad spectrum of users

System validated to enable addressing industry users

Commercialization of VECMAP services started VECMAP used to eradicate *Ae japonicus* in BE VECMAP core product of the Avia-GIS IPM BU







# Info

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