













Monitoring of agroenvironmental scheme in Wallonia

Data management and sharing

Julien Piqueray

13rd June 2017BID-REX workshop, Bilbao, Basque Country





Natagriwal

- **➤** Non-profit association
- >26 permanent staff (+3 temporary)



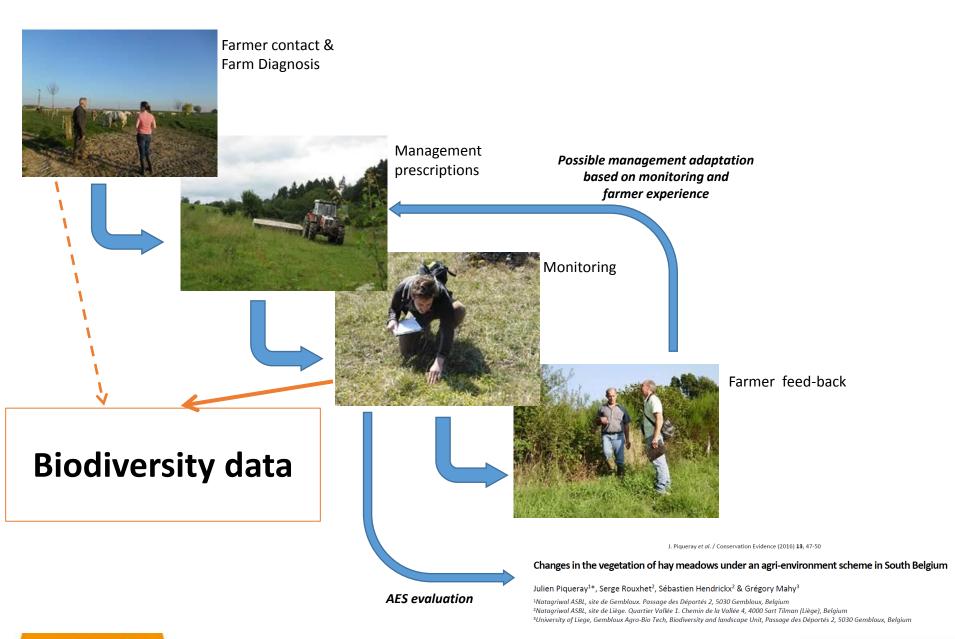
- Support farmers for the implementation of Agroenvironmental Shemes (AES)
- > Support land-owners for the ecological restoration of their N2000 lands

>Funding:

- > Natagriwal is funded by the Wallonia
- ➤ AES and N2000 restorations are co-funded by Wallonia and EU (Common Agricultural Policy Second pillar)



AES support and monitoring process



Natagriwal's organization

➤ 1 central office (management, communication, administration)

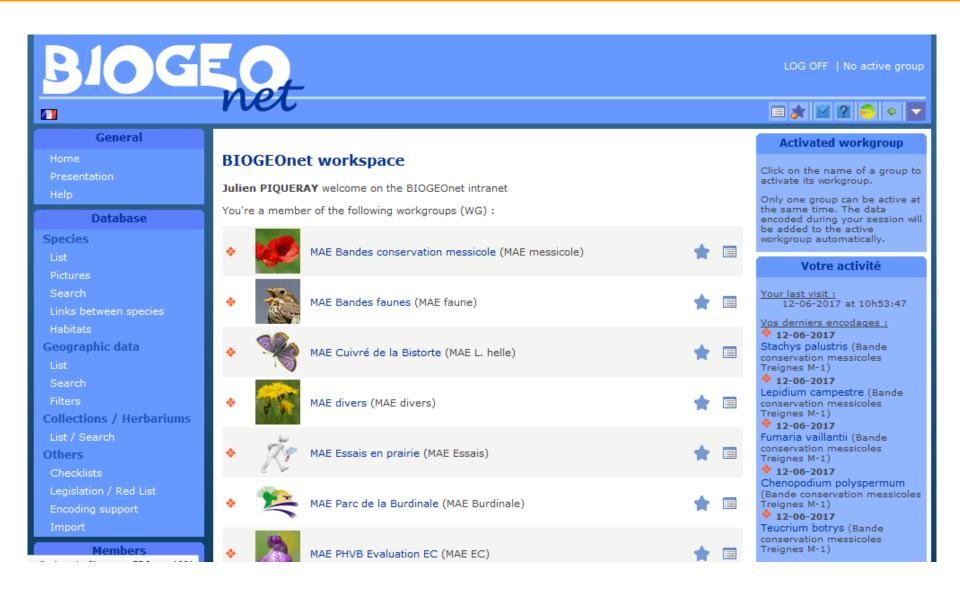
- ➤ 8 regional offices (local implementation of AES advisors)
- ➤ 3 scientific offices (in universities)
- => Huge need for shared solutions, including for biological data

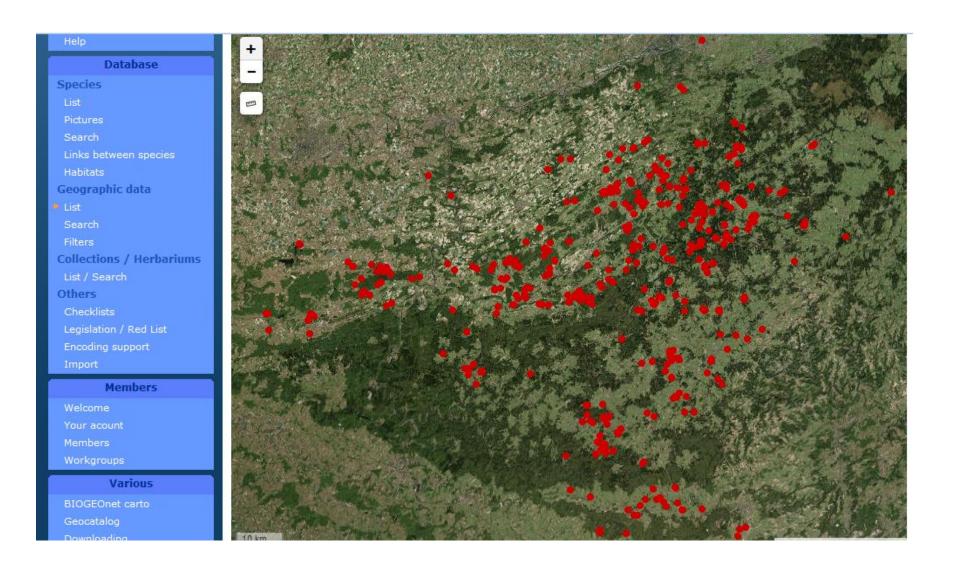


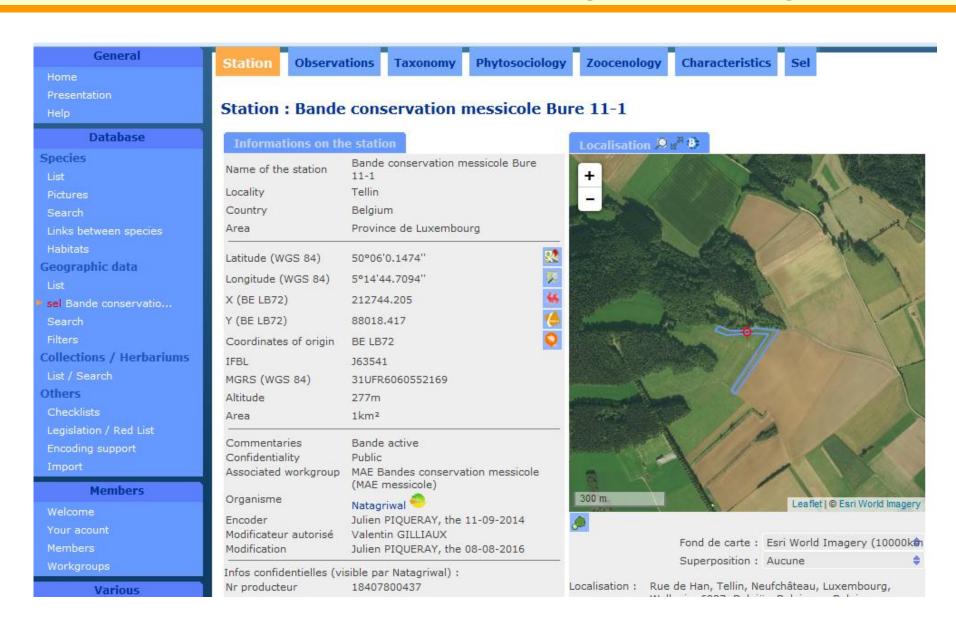


Biodiversity data management and sharing: BioGeoNet

- ➤ On-line database : https://www.biogeonet.ulg.ac.be/
 - ➤ May be used from any connected place
 - by any person having access
 - > On-demand
 - **→** login-password system
 - users having more or less rights in terms of data visualization and export)
 - ➤ Managed by Natagriwal, but open to other projects/associations (LIFE projects, roadside monitoring, ...). Contact: Claude Dopagne cdopagne@natagriwal.be
- > 2 main utilizations at Natagriwal:
 - > Raw biodiversity data saving and sharing
 - ➤ Structured/transformed data displaying (e.g. N2000, Arable plant-rich zones, species occurrence/range

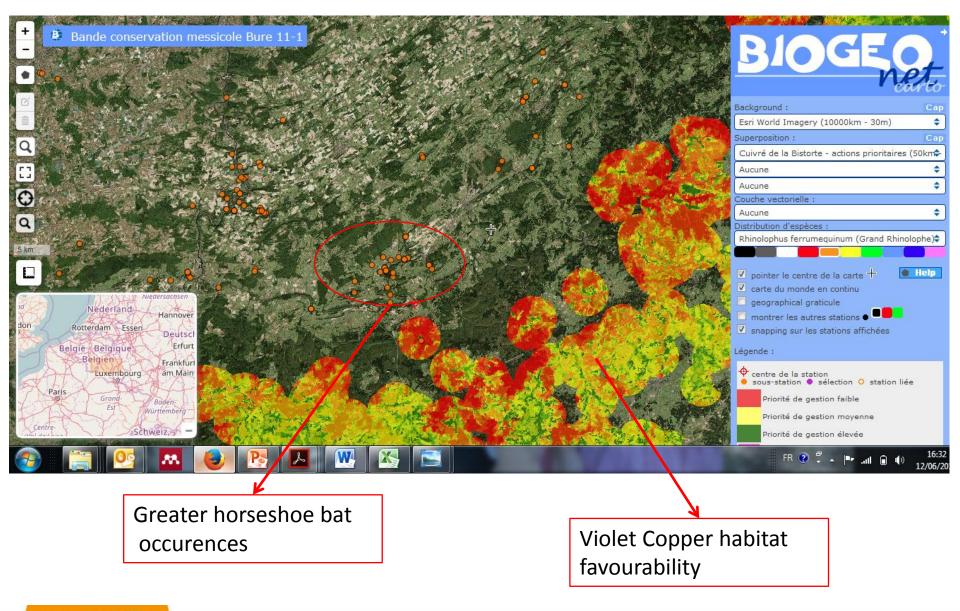






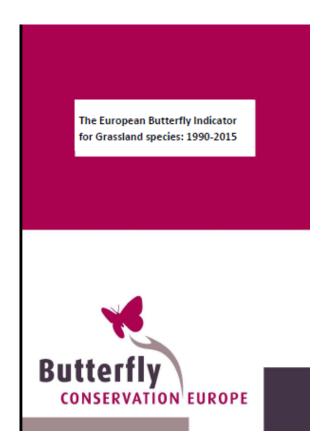
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Habitats	*	30-06-2014	Capsella bursa-pastoris	Plantae Brassicaceae	
Geographic data	•	30-06-2014	Chaenorrhinum minus	Plantae Scrophulariaceae	
List	•	30-06-2014	Chenopodium album	Plantae Chenopodiaceae	
sel Bande conservatio	•	30-06-2014	Convolvulus arvensis	Plantae Convolvulaceae	
Search	•	30-06-2014	Daucus carota carota	Plantae Apiaceae	
Filters	*	30-06-2014	Euphorbia exigua	Plantae Euphorbiaceae	
Collections / Herbariums	•	30-06-2014	Euphorbia helioscopia	Plantae Euphorbiaceae	
List / Search	*	30-06-2014	Fallopia convolvulus	Plantae Polygonaceae	
Others	*	30-06-2014	Fumaria officinalis	Plantae Fumariaceae	
Checklists	*	30-06-2014	Geranium dissectum	Plantae Geraniaceae	
	*	30-06-2014	Geranium molle	Plantae Geraniaceae	
Legislation / Red List	*	30-06-2014	Kickxia elatine	Plantae Scrophulariaceae	
Encoding support	*	30-06-2014	Lamium purpureum	Plantae Lamiaceae	
Import	*	30-06-2014	Medicago lupulina	Plantae Fabaceae	
Members	*	30-06-2014	Medicago sativa	Plantae Fabaceae	
Welcome	*	30-06-2014	Mercurialis annua	Plantae Euphorbiaceae	
	*	30-06-2014	Misopates orontium	Plantae Scrophulariaceae	
Your acount	*	30-06-2014	Myosotis arvensis	Plantae Boraginaceae	
Members	*	30-06-2014	Papaver dubium lecoqii	Plantae Papaveraceae	3
Workgroups	*	30-06-2014	Papaver rhoeas	Plantae Papaveraceae	
Various	*	30-06-2014	Polygonum aviculare	Plantae Polygonaceae	
BIOCEO	*	30-06-2014	Sherardia arvensis	Plantae Rubiaceae	
BIOGEOnet carto	-	30-06-2014	Silene noctiflora	Plantae Caryophyllaceae	3
Geocatalog	•	Number of specim			10 July 10
Downloading	•		very 3 nce = Braun-Blanquet 1 (1 - 5 % = Rare)		Call and Call and Day
Coordinate conversion			der Indéterminé		
Dictionaries			FOR R		
Lexicon			port GBIF, the 30-03-2017 oder Julien PIQUERAY, the 11-09-2014		
Statistics	•	30-06-2014	Sinapis arvensis	Plantae Brassicaceae	MATHRESIA AND ASSESSED.
1	•	30-06-2014	Solanum nigrum	Plantae Solanaceae	
The state of the s	•	30-06-2014	Sonchus arvensis	Plantae Asteraceae	
NAI AGRI	•	30-06-2014	Sonchus asper	Plantae Asteraceae	
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BioGeoNet: «structured » data displaying



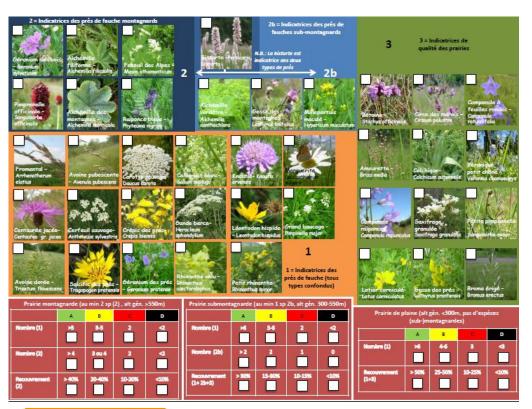
Data sharing policy: within established projects

- EX 1: European Grassland Butterfly Indicator
 - From butterfly monitoring data
 - Data formated to correspond to BCE standards
 - Periodic sending (every 2 or 3 years, depending on European Environmental Agency deadlines)



Data sharing policy: within established projects

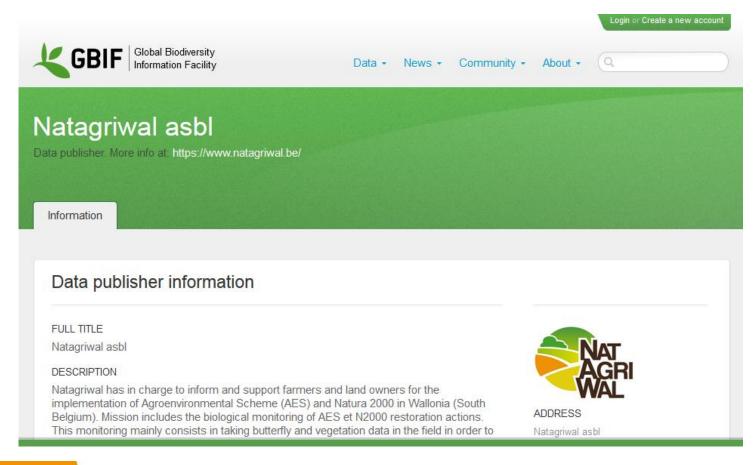
- > EX 2: Hay meadows (N2000 : 6510/6520) habitat conservation status in Wallonia
 - From grassland monitoring data
 - > Conservation Criteria computation (Walloon admin. DEMNA)
 - > User-friendly monitoring sheet for farm advisors



Criterion*	Conservation Status				
Criterion	A	В	С	D	
Criterion 1: number of characteristic species (list 1)	≥7	4-6	3	<3	
Criterion 2: cover of characteristic species + other indicators of habitat quality (lists 1 and 2)	≥ 50%	25-50%	10-25%	<10%	
Criterion 3: cover of nitrophilous species (list 3)	≤ 10%	10-30%	≥ 30%		
Criterion 4 : cover of high grazing intensity species	< 40%	40-60%	≥ 60%		
		•	•	•	

Data sharing policy: Raw data

- Data transfer to Walloon administration (DEMNA)
 - ➤ DEMNA is a user of BioGeoNet with full access (inclunding export) to Natagriwal data
- Open-access policy implemented through GBIF





Thank you for your attention ()

