



















To conserve the Montseny newt

(endemical and critically endangered)

To improve river habitat

(in regression with anthropogenic threats)





OPERATIONAL TARGET



Protection



Dissemination & Education



Conservation (in-situ & ex-situ)



Research & Monitoring



Habitat management

METHOD

- > 120 people involved in multidisciplinary teams
- 6 Areas of work, with 49 different actions



2.971.276 € (60 % EU)



Oct. 2016 / Des. 2020









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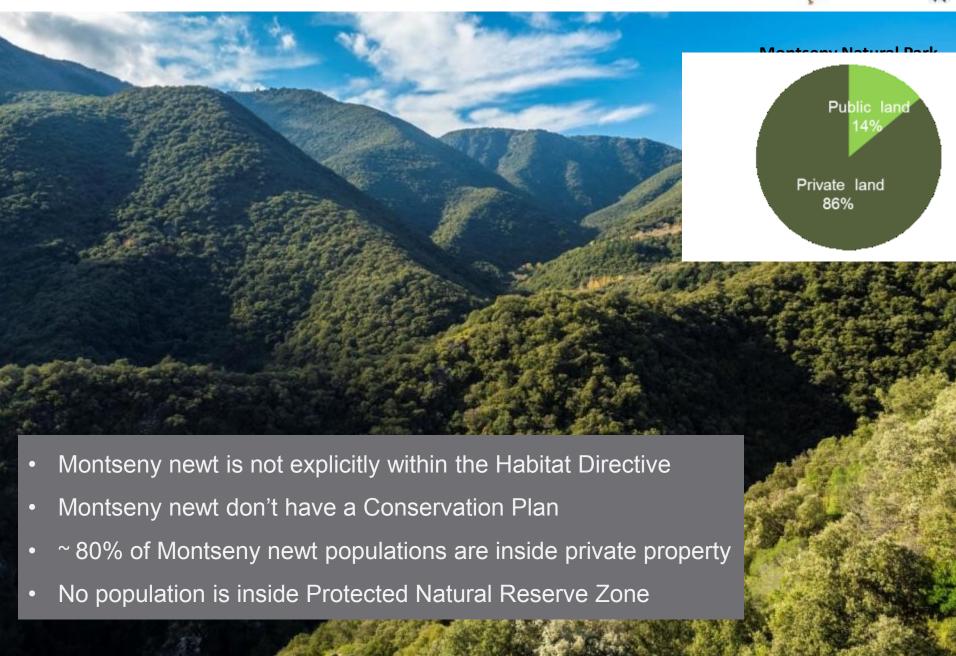


Goal 4: To establish proper legal coverage To ensure proper management of Montseny newt's territory

5 Actions: A4, C1, C2, B1, B2







RESULTS







- ✓ Montseny newt is listed in HD as Euproctus asper (Annex IV) BUT it's included in the Art.17 as Calotriton arnoldi (id.6920)
- ✓ Administrative procedure have been initiated, to approve the Decree of C.arnoldi Recovery Plan.
- √ 377 ha have been proposed as a "Supervised Management Area", where river habitat conservation is the aim.
- √ The acquisition of private land is in process (60ha of purchase and 45ha of swap)
- ✓ First Land Custody Agreement with a private land is ready to be signed, and there are tree more in negotiation.











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Goal 6: To involve general public, stakeholders and land owners in habitat conservacion

13 Actions: D7, E1, E2, E3, E4, E5, E6, E8, E9, E10, E11, E12, E13





- High visitor frequency (> 1 million visits in N.Park/ year) with impact on riparian habitats
- Ignorance of the function of riverside forest, in the Mediterranean ecosystem
- Negative environmental impacts of traditional forest activity
- Doubtful ecological sustainability of natural resources (water, timber) exploitation
- Montseny newt, is an unknown and undervalued endemism





Documentary edition &

Photographic report









Dissemination & Education

ACTIONS PERFORMED







LIFE Networking (TRivers, LimnoPirineus, PirOs, Hydrology, Freshabit, Wet FlyAmphibia)















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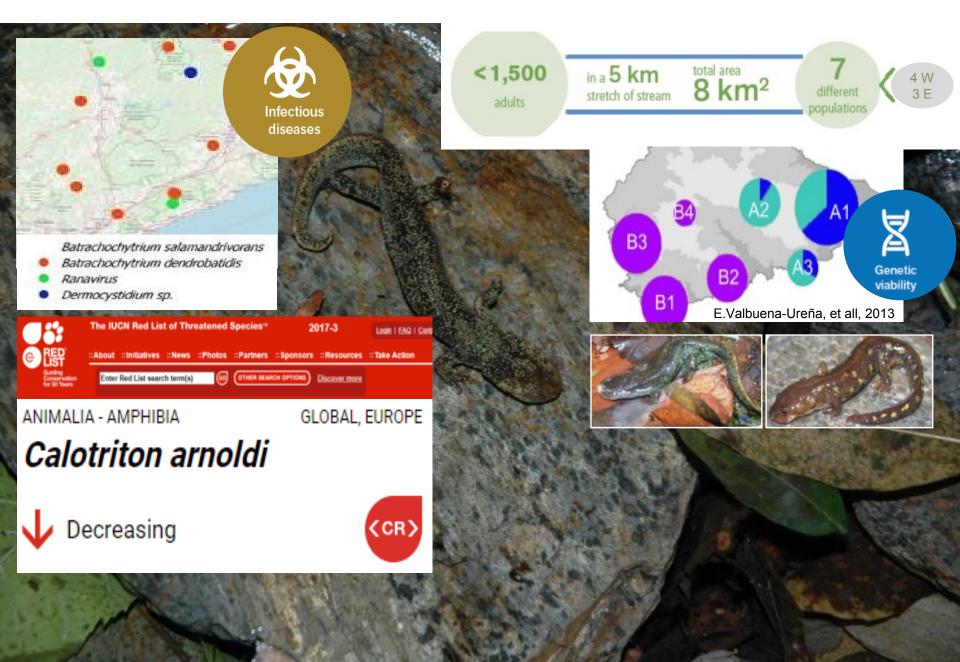
Habitat management

Goal 1: To ensure conservation of Montseny newt populations

11 Actions: A1, A2, A3, C9, C10, C11, C12, C13, C14, C15, F2











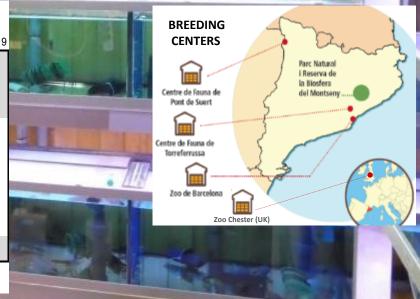




Number of Montseny brook newt kept in reproduction program.

May 2019

Breeding Centers	Breeding pairs	Newts of western population	Newts of eastern population	TOTAL newts in captivity	
Torreferrussa	90	578	401	979	
Pont de Suert	19	222	0	222	
Zoo Barcelona	24	26	105	131	
Chester Zoo	12	0	32	32	
TOTAL	143	826	538	1364	



Nº Founding parents: W: 8 newts (2007) + 2 newts (2010) & E: 10 newts (2007) + 2 newts (2010)







New Population	Years of release	Total Núm. dlivered animals	Age of animals
* West 1	2010,11,12,14	390	2-3 anys
West 2	2014, 15	106	0-1 anys
West 3	2019	136	2-3 anys
Est 1	2011, 14	166	2-4 anys
Est 2	2014, 15	62	0-1 anys

^{*} confirmed wild births

- ✓ One of four reintroduced populations is working.
- ✓ The survivorship of this population is 19.2% of the released individuals
- ✓ New populations can be created IF:
 - ✓ habitat conditions are optimal
 - √ repeated releases of newts were done













Intectious disease						
	B.dendrobatidis		B.salamandrivorans		Ranavirus	
Analitic Result	-	+	-	+	_	+
Calotriton arnoldi	200	0	200	0	169	0
Salamandra salamandra	1	0	1	0		0
Bufo spinosus	7	0	7	0	3	0
Rana temporaria	2	0	2	0		0
Hyla meridionalis	0	1	1	0	1	0
* Lissotriton boscai	24	2	26	0	26	0
Total	234	3	237	0	199	0
	THE REAL PROPERTY.	FORE	STAL			1









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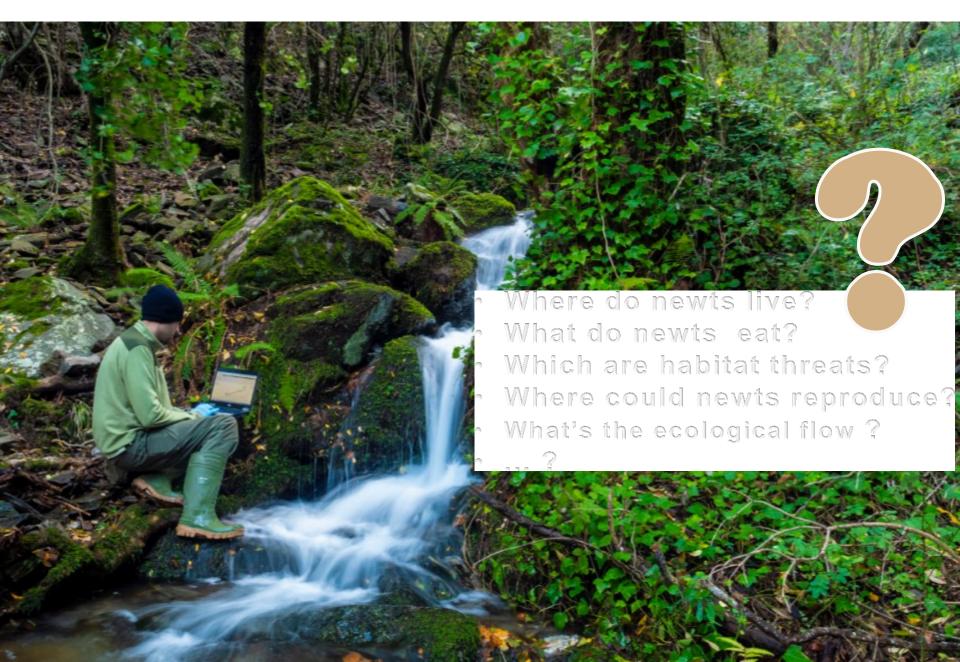
Habitat management

Goal 5: To monitor newts populations and its habitat

To increase scientific and technical knowledge

7 Actions: C3, D2, D3, D4, D5, D6, F3

















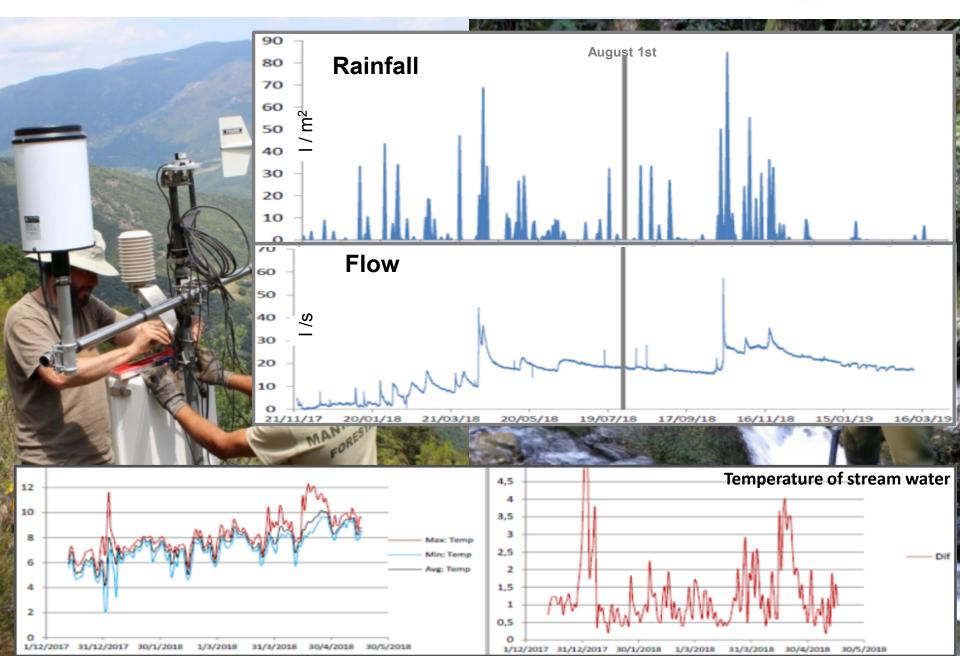


Workshop & Discussion sessions

> 100 technician and scientific, from several fields, are implicated in the project

Abiotic Montoring

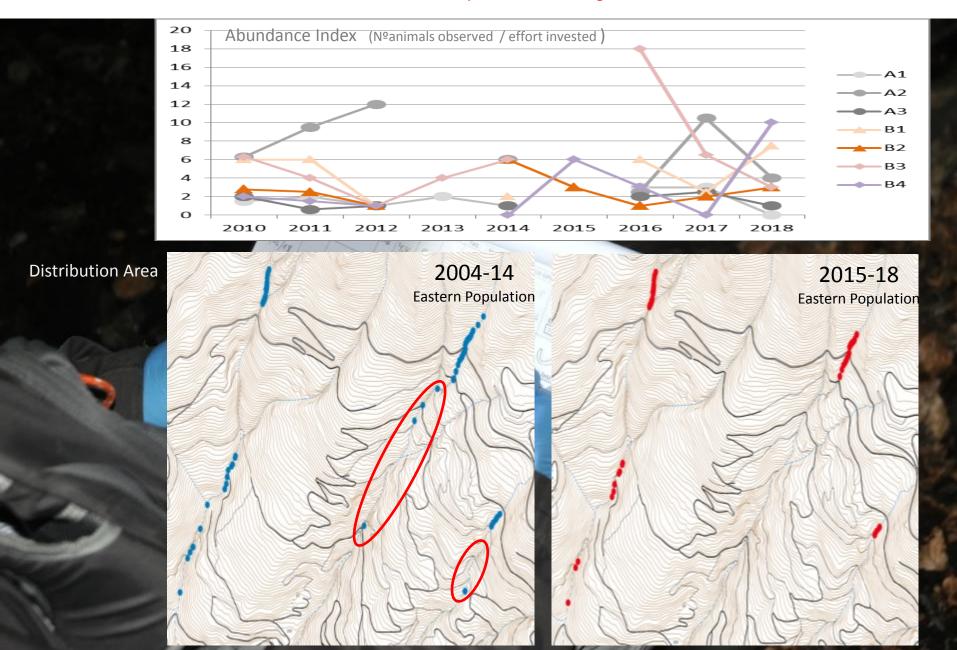






RESULTSC.arnoldi Wild Population Monitoring



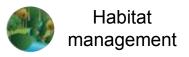




Metabarcoding Program (determination of diet at species level)













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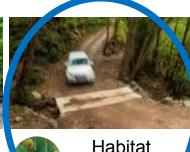
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Habitat management

Goal 2: To increase the hydrological quality and ecological flow

4 Actions: C4, C5, C6, D1

Goal 3: To minimize threats in the riparian habitat

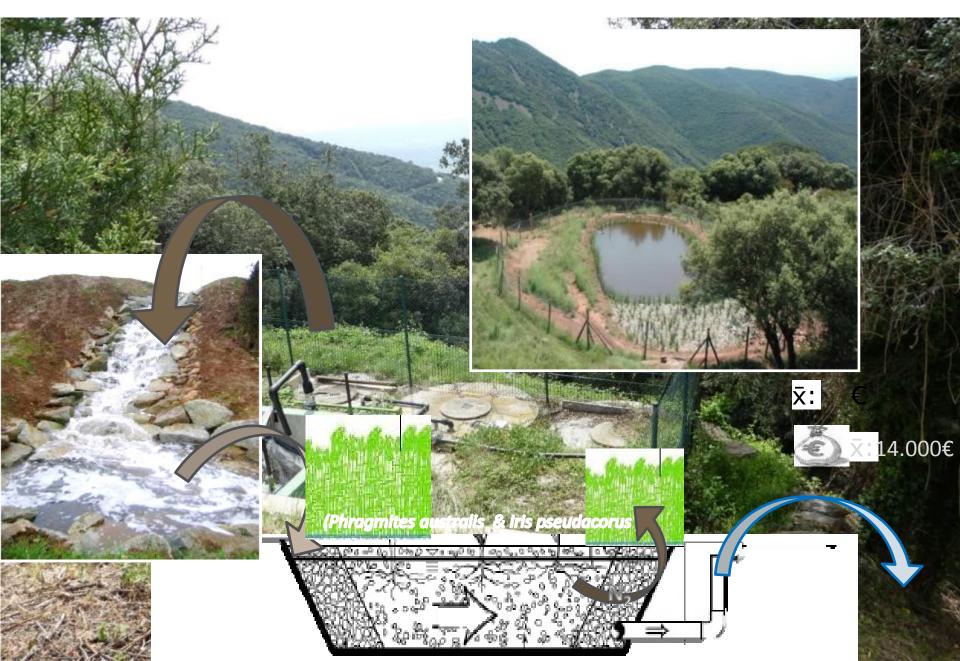
3 Actions: C7, C8, D1





Water use

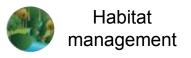




River connectivity







River connectivity





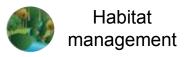
















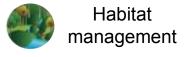








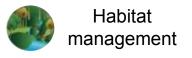




START SITUATION Forest activity





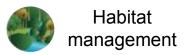


ACTIONS PERFORMED Forest activity









ACTIONS PERFORMED River connectivity





















