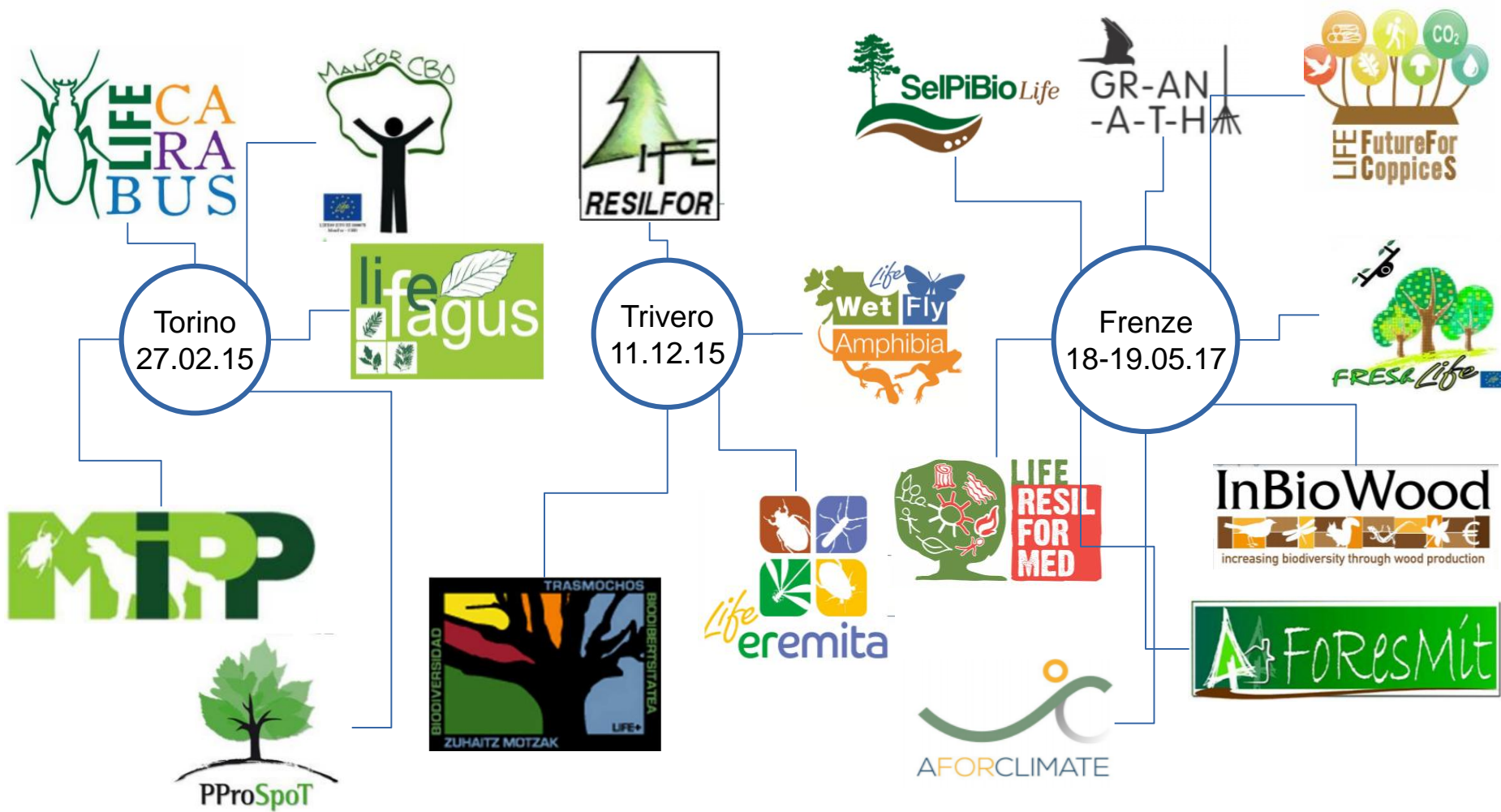


GOProFOR LIFE

GOod PRactices implementation netwORk for FORest biodiversity conservation



Steps leading towards the project





IV Congresso Nazionale di Selvicoltura ,
Torino, 6 November 2018

Marcello Miozzo, D.R.E.A.M. Italia



GOProFOR LIFE

GOod PRactices implementation netwOrk for FORest biodiversity conservation

PROJECT LOCATION: Italy France

BUDGET INFO:

Total amount: 2.517.130 Euro

% EC Co-funding: 59,97 %

DURATION: Start: 01/09/18 - End: 30/09/22

PROJECT'S IMPLEMENTORS:

Coordinating Beneficiary: D.R.E.AM. Italia

Associated Beneficiary(ies):

CNPF, CREA, CUFAA, REGTOSC, REGLAZ, REGMOL, CDF, DRWOLF



GOProFOR LIFE - Good Practice

A **good practice** is an application tool for nature conservation, related to forest issues.

It has to be described in detail and therefore perfectly replicable.

It should be possibly scientifically proven.

It can be defined in relation to:

- its application area (sustainable forest management, climate change mitigation and adaptation, nature and biodiversity conservation),
- its application context (biogeographic region, habitat, species, etc.),
- problems and threats that it deals with.

OBJECTIVES & SCOPE

OBJECTIVES

Define and disseminate
forest management tools
functional to conservation priorities
within Nature 2000 Network

Exchange of experiences and
Good Practices (GP) implemented
throughout 25 years of LIFE Program

Increase awareness in protected areas
managers & other subjects
whose activities exercise an influence
on habitats and species conservation

KEY ACTIONS

Analysis and selection of
around 1300 LIFE projects,
defining **Good Practices**
→ European Platform



60 GP →

Technical & multimedia collection
Training courses
Technical manuals



SOLUTIONS PROPOSED

- Examination and selection of European projects containing transferable GP [**1100 examined projects**]
- Projects' analysis and GP extrapolation, in order to implement the European database [at least **200 GP**]
- Setting-up the Italian GP Multimedia Collection for forest management inside N2000 network [**60 GP**]
- Technical manuals and training activities addressed to subjects involved in N2000 network [**1700 trained units**]

ACTIONS

A.1 Setting the Good Practices (GP) database

A.2 Creation of the Network GP web platform

B.1 Italian Multimedia GP Collection for forest management in N2000 Network

B.2 Training courses for people involved in N2000 Network

B.3 Good Practices promotion at Italian level

B.4 Planning workshop at Regional level

B.5 Project's promotion at European level

C.1 Monitoring project's tools application levels

C.2 Monitoring socio-economic impacts of the project

D.1 Communication plan and its application

D.2 GP Augmented Reality paths

D.3 Creation of thematic bulletins

ACTIONS

B.1 Italian Multimedia GP Collection for forest management in N2000 Network

D.2 GP Augmented Reality paths

The image is a composite illustrating an augmented reality application for forest management. It features several key elements:

- Map Interface:** A Google My Maps interface showing a map of Italy with a yellow highlighted region. A search bar and navigation tools are visible. A pop-up window titled "Senza titolo" displays details for a location: "descrizione Nessun valore", "AZ_REV04 C1", and "1,64 ha 502 m".
- Technical Drawing:** A detailed technical drawing titled "SCHEMA GRAFICO n. 7 PER COSTRUZIONE DI FONTANILE A 2 VASCHE a bassa profondità e a corrente libera". It includes a longitudinal section ("Prospetto longitudinale"), a plan view ("Pianta"), and cross-sections ("Sezioni"). The drawing shows two basins ("vasca n.1" and "vasca n.2") with dimensions and structural details.
- Video:** A video frame showing two people in a forest. One person is pointing upwards, and the other is holding a water bottle. The video is titled "Irradamenti selettivi nel Progetto SelfBioLIFE".
- Smartphone:** A hand holding a Samsung smartphone displaying a "CATEGORIES" menu with icons for Buildings, Parks, Roads, Sport, Yards, Offices, Clinic, Transport, and Advertisement.
- Map Labels:** The map includes labels for "Rocca Ricciarda", "La Lama", and "Croce del".

ACTIONS

B.2 Training courses for subjects involved in N2000 Network

2 Permanent training centers



(1) Riserva dello Stato BOSCO FONTANA



(2) Riserva dello Stato FORESTE CASENTINESI



ACTIONS

B.2 Training courses for subjects involved in N2000 Network

1 Mobile training center

Forest biodiversity:

- (1a) Deadwood, saproxylic insects, bats;
- (1b) Wetland and associated species (Amphibians and Reptiles);
- (1c) Trees composition, forest species reintroduction;
- (1d) Conservation techniques for forest associated species (invertebrates, birds, mammals, amphibians, reptiles, plants);
- (1e) "IBP taxonomic biodiversity diagnosis"

Forest habitats:

- (2a) Habitat restoration techniques
- (2b) Soils/hydrological balance restoration

Invasive species:

- (3a) Monitoring techniques
- (3b) Control techniques

Climate change (mitigation and adaptation):

- (4a) Carbon management, biomasses management
- (4b) Management practices for forest ecosystem adaptation and resiliency;
- (4d) Fire prevention techniques



Planning, management and governance:

- (5a) Planning tools;
- (5b) Sustainable forestry;
- (5c) Ecosystem services.

ACTIONS

B.3 Good Practices promotion at Italian level

B.5 Project's promotion at European level



3 European conferences

2019 Italy
2020 Spain
2021 France



8 Countries involved

Preparatory project
to extend training model
at European level



ACTIONS

B.4 Planning workshops at Regional level

Forest planning methodologies

- Forest Plans Analysis
- Analysis of proposed silvicultural models
- Proposal of silvicultural models integrated with the Good Practices

Application of Good Practices for active management in the regional Natura 2000 network

- Analysis of forest categories
- Census of planned silviculture
- Proposal for Good Practices to be applied

Local forestry companies

- Census of forest work enterprises
- Requirements analysis



ACTIONS

D.3 Creation of thematic bulletins

- **Creation of an European beneficiaries Data Base** (by 01.2020)
- **Arrangement of 2 bulletins in 24 languages:** the 2 most relevant themes among the 5 identified by the project (Forest biodiversity; Forest habitats; Invasive species; Climate change; Planning, management and governance)



EUROPEAN LEVEL

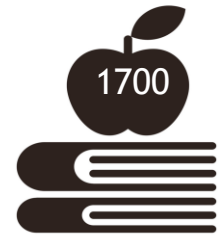
At least **200** Good Practices extrapolated



Promotion of GP in a European **thematic network**

ITALIAN LEVEL

1700 units trained



Adoption of **Guidelines** for forest management

14 Regions involved in governance process



ACTIONS

A.1 Setting the Good Practices (GP) database

PROJECT TITLE	PROJECT N°	PROJECT WEBSITE	YEAR OF FINANCE	LEAD PARTNER COUNTRY	TYPE OF BENEFICIARY
[+] General Plan of hydric sources and water restoration of the territory of the Republic of Alba ...	LIFE95 TCY/AL/0927		1995	AL	
[+] Organisation of the urban waste management in 6 main Albanian municipalities: a model applicabl ...	LIFE96 TCY/AL/02		1996	AL	
[+] Development of healthcare waste management plan for Tirana, Albania	LIFE98 TCY/AL/154		1998	AL	NGO- Foundation
[+] Sustainable Traffic Development in Tirana, Albania	LIFE00 TCY/AL/090		2000	AL	NGO- Foundation
[+] ALWET - CAPACITY BUILDING ON CONSERVATION OF ALBANIAN WETLAND ECOSYSTEMS (ALWET)	LIFE03 TCY/AL/000004		2003	AL	NGO- Foundation
[+] I.W.M. - AGENCY - REGIONAL AGENCY FOR AN INTEGRATED WASTE MANAGEMENT	LIFE03 TCY/AL/000002		2003	A	

Data entry IT – EN
Keywords IT, F, ES, EN, D



A.2 Creation of the Network GP web platform

A1.1 Setting the GP database

DEFINING DATABASE STRUCTURE FOR GP DESCRIPTION

DB STRUCTURE

	A	B	C	D	E	F
1		DENOMINATION	TYPE	LENGHT	TAB	OBBLIGATORIO
32		OBJECTIVES	TESTO AR	600	NO	SI
33		TARGET	CODICE	6	TAB_TARGET	SI
34		ISSUE/TREATH DEALT	TESTO AR	600	NO	SI
35		BP DESCRIPTION	TESTO AR	600	NO	SI
36		CHALLENGES	TESTO AR	600	NO	SI
37		DOCUMENTS_PHOTOS_VIDEOS_LINKS				
38		INDICATORS1	TESTO	254	NO	SI
39		PERFORMANCE PARAMETER TYP	TESTO	254	NO	SI
40		EXPECTED VALUE/TRESHOLD VALL	NUMERO	10,2	NO	SI
41		VALUE OBTAINED	NUMERO	10,2	NO	SI
42		% IMPACT	NUMERO	4,2	NO	SI
43		VALIDATION TYPE	CODICE	1	TAB_VALIDATION	SI
44		INDICATORS2	TESTO	254	NO	NO
45	BEST PRACTICE DESCRIPTION	PERFORMANCE PARAMETER TYP	TESTO	254	NO	NO
46		EXPECTED VALUE/TRESHOLD VALL	NUMERO	10,2	NO	NO
47		VALUE OBTAINED	NUMERO	10,2	NO	NO
48		% IMPACT	NUMERO	4,2	NO	NO
49		VALIDATION TYPE	CODICE	1	TAB_VALIDATION	NO
50		INDICATORS3	TESTO	254	NO	NO
51		PERFORMANCE PARAMETER TYP	TESTO	254	NO	NO
52		EXPECTED VALUE/TRESHOLD VALL	NUMERO	10,2	NO	NO
53		VALUE OBTAINED	NUMERO	10,2	NO	NO
54		% IMPACT	NUMERO	4,2	NO	NO
55		VALIDATION TYPE	CODICE	1	TAB_VALIDATION	NO
56		GOVERNANCE IMPACTS	CODICE	2	TAB_GOVERNANCI	SI
57		GOVERNANCE IMPACTS DESCRIP1	TESTO AR	600	NO	NO
58		SOCIO-ECONOMICAL IMPACTS	CODICE	2	}_SOCIO-ECONOMI	SI
59		SOCIO-ECONOMICAL IMPACTS DES	TESTO AR	600	NO	NO
60						

A1.1 Setting the GP database

DEFINING DATABASE STRUCTURE FOR GP DESCRIPTION

CODE TABLE EXAMPLES

	A	B
1	COD	DESC
2	ALP	Alpine
3	ATL	Atlantic
4	BLS	Black sea
5	BOR	Boreal
6	CON	Continental
7	MAC	Macaronesian
8	MED	Mediterranean
9	PAN	Pannonian
10	STE	Steppic

**Biogeographical
regions...**

	A	C
2	A	Sustainable forest management techniques
3	A.1	Selvicoltural techniques
4	A.1.1	Wood product techniques
5	A.1.2	Non-wood product techniques
6	A.1.3	Touristic fruition techniques
7	A.1.4	Fire prevention techniques
8	A.1.5	Reforestation techniques
9	A.1.6	Climate change mitigation techniques
10	A.1.7	Biodiversity increase/conservation techniques
11	A.1.8	Alien/Invasive species control
12	A.2	Plant nursery techniques
13	A.3	Urban green techniques
14	A.4	Forest management
15		
16	B	Habitat/species conservation techniques
17	B.1	Habitat
18	B.1.1	Forest
19	B.1.2	Heat and scrubland
20	B.1.3	Coastal dunes
21	B.1.4	Freshwater
22	B.2	Species
23	B.2.1	Birds

... TAB_CAT_FOREST(EEA) TAB_THEME

... GP themes

**5 LANGUAGES
IT, EN, FR, ES, DE**

A1.1 Setting the GP database



DEFINING DATABASE STRUCTURE FOR GP DESCRIPTION

Project Information

Project Title	Prima BP
Project Number	
Project Website	
Start Date	
Final Date	
Project Referent Surname	
Project Referent Name	
Project Referent Email	
Project Referent Tel	
Project Referent Fax	
Bestpractice Referent Surname	
Bestpractice Referent Name	
Bestpractice Referent Email	
Bestpractice Referent Tel	
Bestpractice Referent Fax	

Best Practice Theme

Title	
Theme	<ul style="list-style-type: none">Tecniche di gestione forestale sostenibileTecniche selvicolturaliTecniche per produzioni legnoseTecniche per produzioni non legnose
Keyword	<ul style="list-style-type: none">Utilizzazione forestaleUtilizzazione agroforestaleTecniche selvicolturaliProdotti legnosi

Context Description

Nation

Coordinate

Coordinate

Biogeographic Region
Forest Category
Surface Involved
N2000 Sites Involved

Territorial Context
Socio Economic Context
Previous Form of Management

best Practice Description ...

A1.2 Detailed analysis Of Project Results in Europe

1. Assembly of a forest related projects' list

Definition of criteria for projects' inclusion

2. Brief projects' screening by content → FINAL LIST

3. Projects' analysis



Documentation research

Contact with projects' referents

A1.3 Implementation of Good Practices database

A1.2 Criteria for projects' selection



ENVIRONMENT

LIFE Programme

European Commission > Environment > LIFE Programme



Search for LIFE Projects

LIFE HOME >>

1. **YEARS RANGE:** 1994 – 2016, all projects
2. **EXCLUSION** of NGO, PRE, TYC categories
3. **SELECTION BY:**

NGO	BIO ENV
PRE	• CCA CCM
• TY	• GIE INF
C	NAT

- a) **THEME:** Habitat ~ Forests; Land-use & Planning ~ Forest management;
- b) **KEYWORDS:** Agroforestry, Forest ecosystem, Forest fire, Forest management, Forestry, Reforestation, Woods, Wood products (Astrale, 2015);
- c) **HABITAT:** forest habitat types included in Annex I of Habitats Directive
- d) **SPECIES:** species associated with forests (Ann. II, IV of HD; Ann. I of BD)

A1.2 Criteria for projects' selection

4. PROJECTS IDENTIFIED AND/OR ADDED:

- ❖ forest related projects listed in the “LIFE Programme” web page
- ❖ projects mentioned as example of good management practices for Natura 2000 in the web page
- ❖ “Best Life Awarded” projects



Home | Best LIFE-Environment Projects

Best LIFE Projects



The system for evaluating completed projects funded through the LIFE programme was first introduced by the Commission for the Environment component, following an initiative taken by the Netherlands. A set of 'best practice' criteria was agreed with national authorities at a meeting in the city of Malmö in Sweden (27-28 April 2005). These criteria addressed the key issues



Home | Habitats | Forests Projects

Forests

In this section, the most recent forests related projects are listed with links to further information (layman's reports) included where they exist. The "Read More" links to publications or videos specific to each project.

- Projects by theme
- Nature, Biodiversity
 - Environment
 - Climate Action
 - Info Governance



Home | LIFE | Acknowledgements

Wetlands | Farming

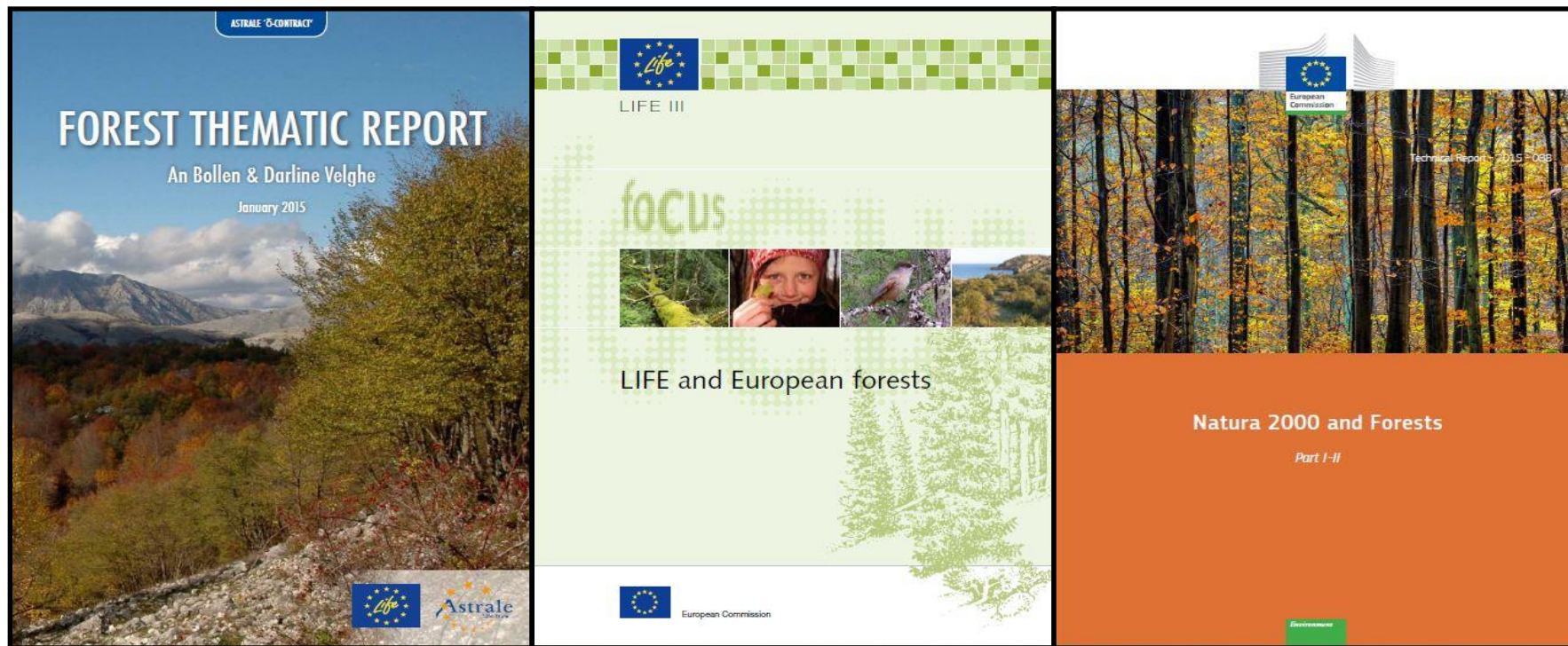


Forests: Good management practices for Natura 2000

A1.2 Criteria for projects' selection

4. PROJECTS IDENTIFIED AND/OR ADDED:

- ❖ “Forest thematic report” by Astrale Life Team (Bollen & Valghen, 2015)
- ❖ “Life and European Forests” report (EC, 2006)
- ❖ “Natura 2000 and forests” technical report (EU, 2015)



A1.2 Criteria for projects' selection

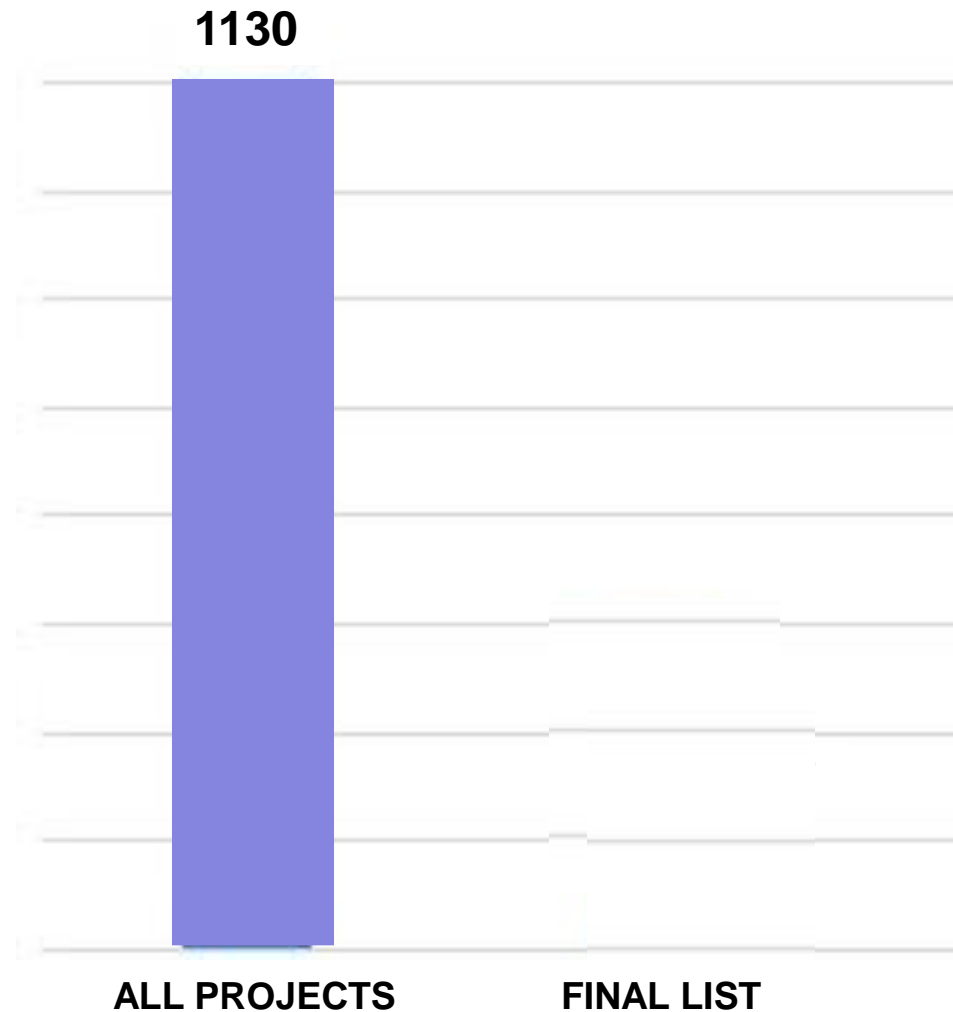
4. PROJECTS IDENTIFIED AND/OR ADDED:

- ❖ “Natura 2000 e foreste: sfide ed opportunità. Guida interpretativa” (EC, 2003)
- ❖ “LIFE & Foreste 25: 25 anni di Programma LIFE per le foreste italiane” (CDF, 2017)
- ❖ “Il programma LIFE+ e la Rete Rurale Nazionale” (MATTM 2012)
- ❖ forest related projects mentioned in the Italian Knowledge Platform (PDC) (<http://www.pdc.minambiente.it>)



A1.2 Criteria for projects' selection

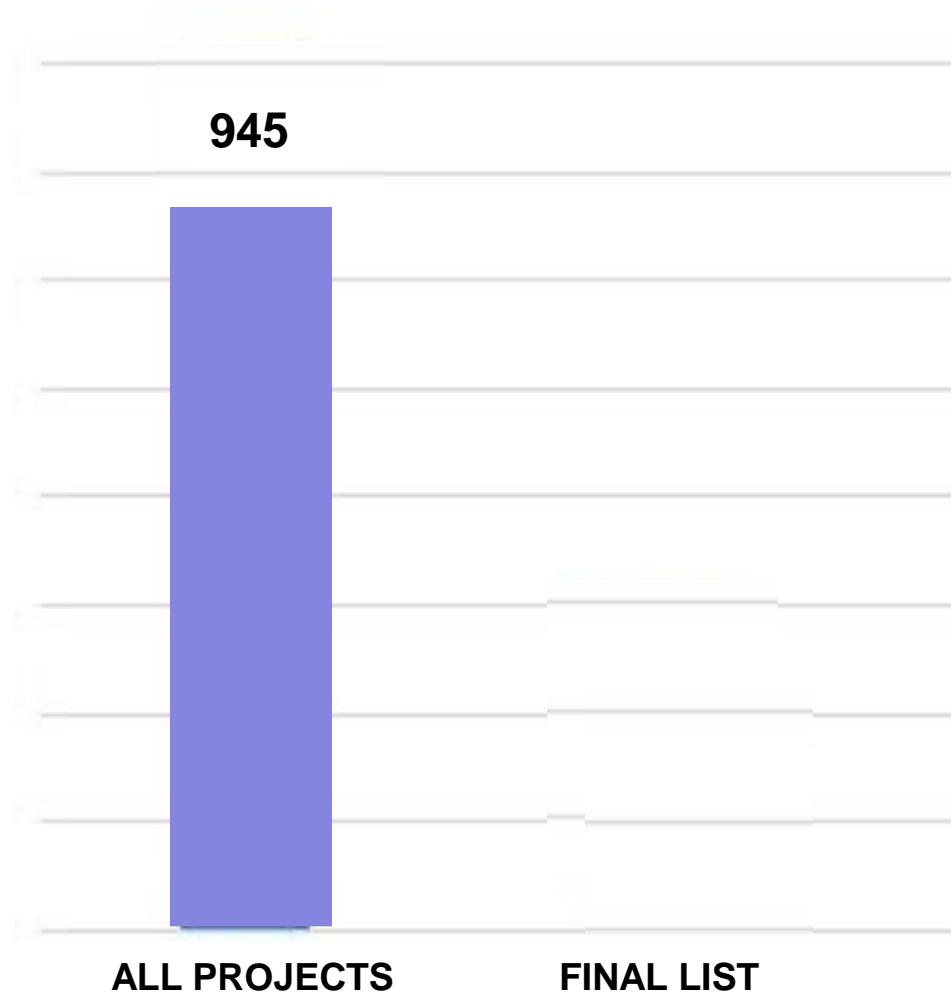
FIRST LIST: 1130 PROJECTS



A1.2 Criteria for projects' selection

FIRST LIST: **1130** PROJECTS

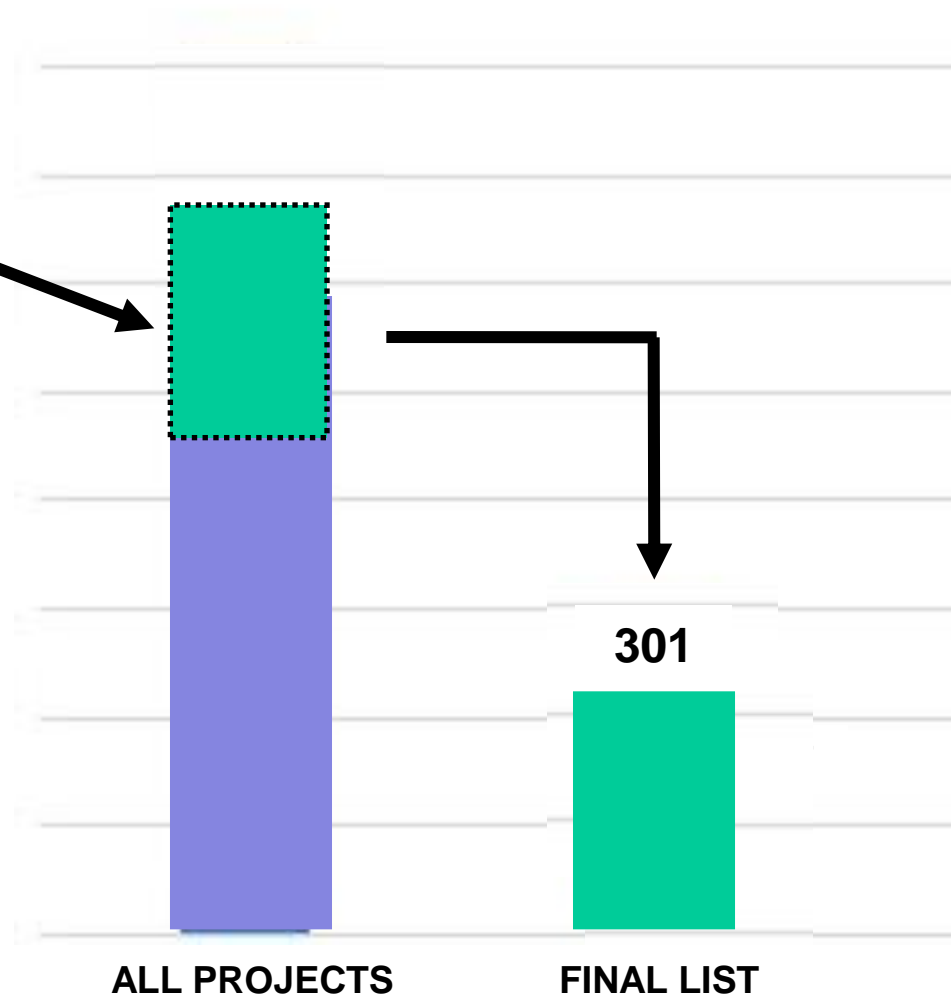
✓ Only ended projects (**945**)



A1.2 Criteria for projects' selection

FIRST LIST: **1130** PROJECTS

- ✓ Only ended projects (**945**)
- ✓ Point 4) projects → final list



A1.2 Criteria for projects' selection


FIRST LIST: 1130 PROJECTS

- ✓ Only ended projects (945)
- ✓ Point 4) projects → final list
- ✓ Remaining projects → **Brief screening**

LIFE project database description file
and linked documentation



A1.2 Criteria for projects' selection

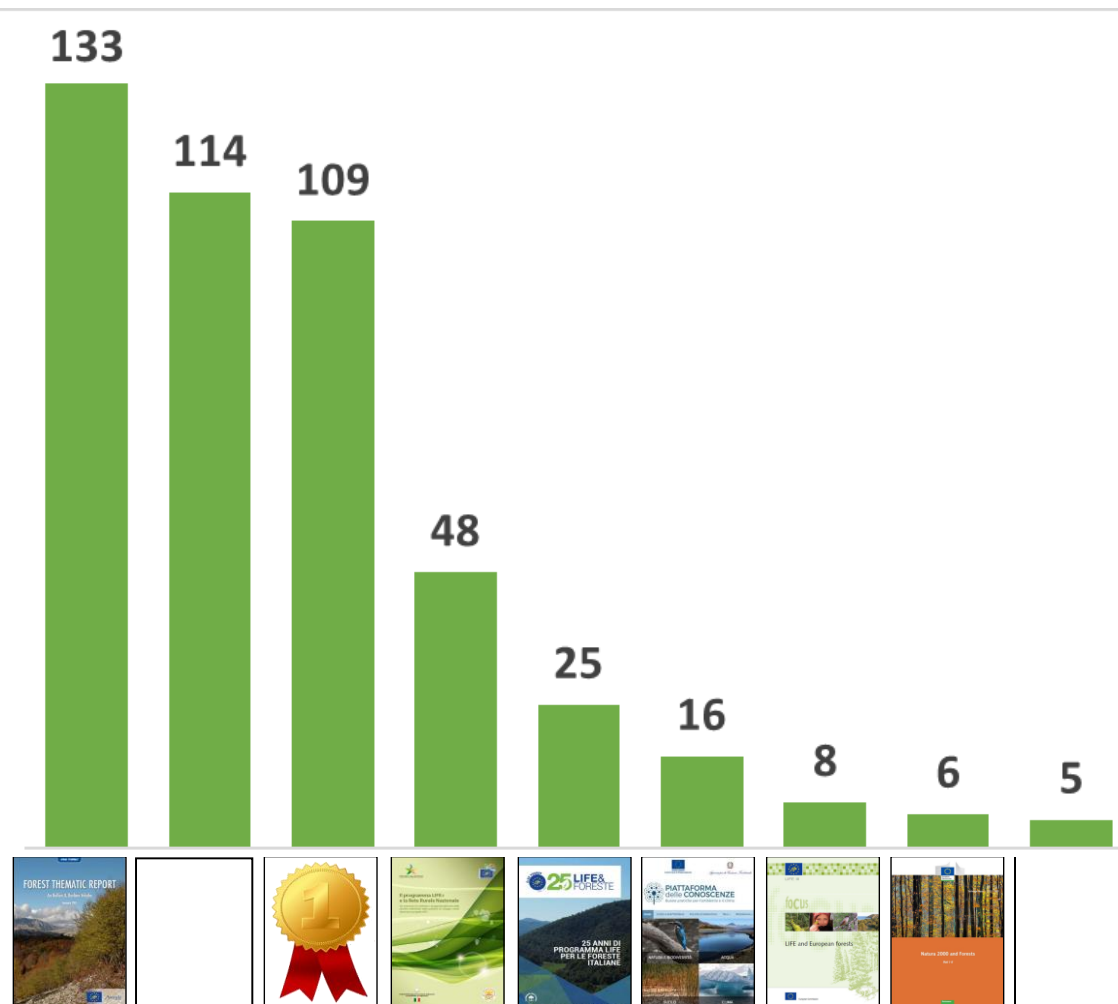
Problems : collect all the technical-scientific documentation
 necessary to evaluate and describe the GP

Solutions :

1. Contact **National Focal Points**
2. Find and contact **project's staff members**
3. **Webinar**: send to selected projects a form to be implemented with GP description, instructing people via web about how to fill it out

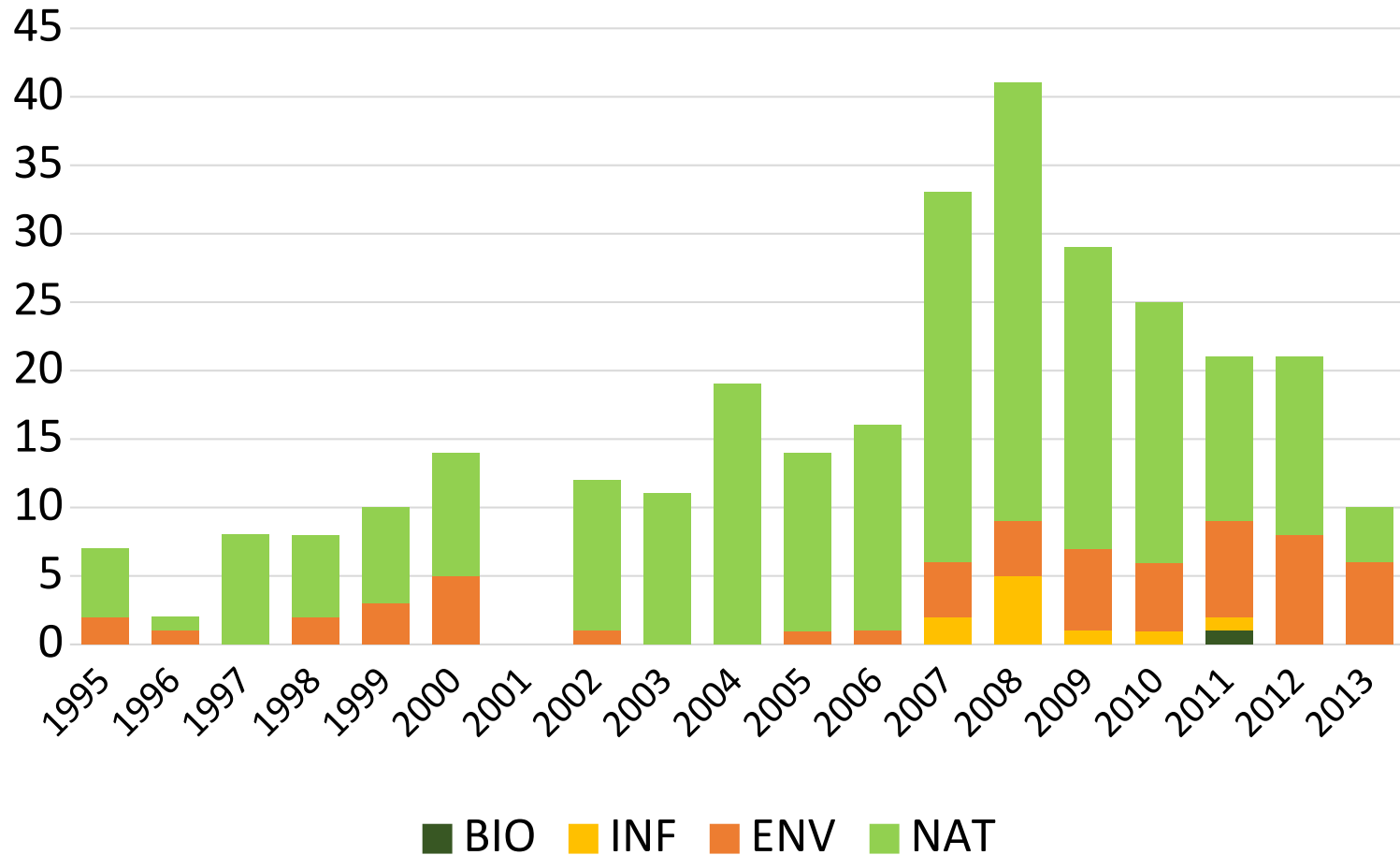
SELECTED PROJECTS (n = 301)

SOURCES



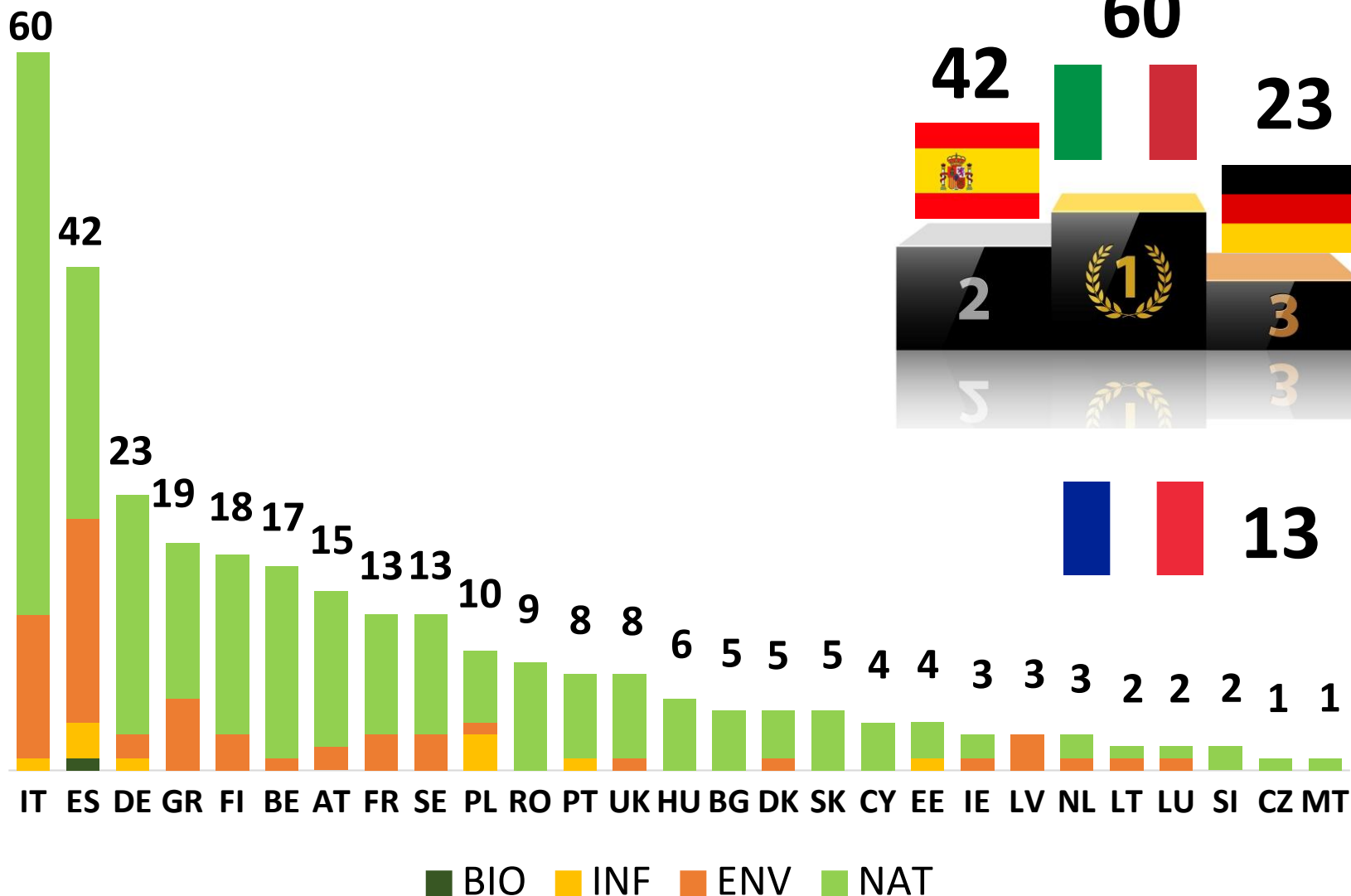
SELECTED PROJECTS

N° of forest LIFE projects per year (n = 301)



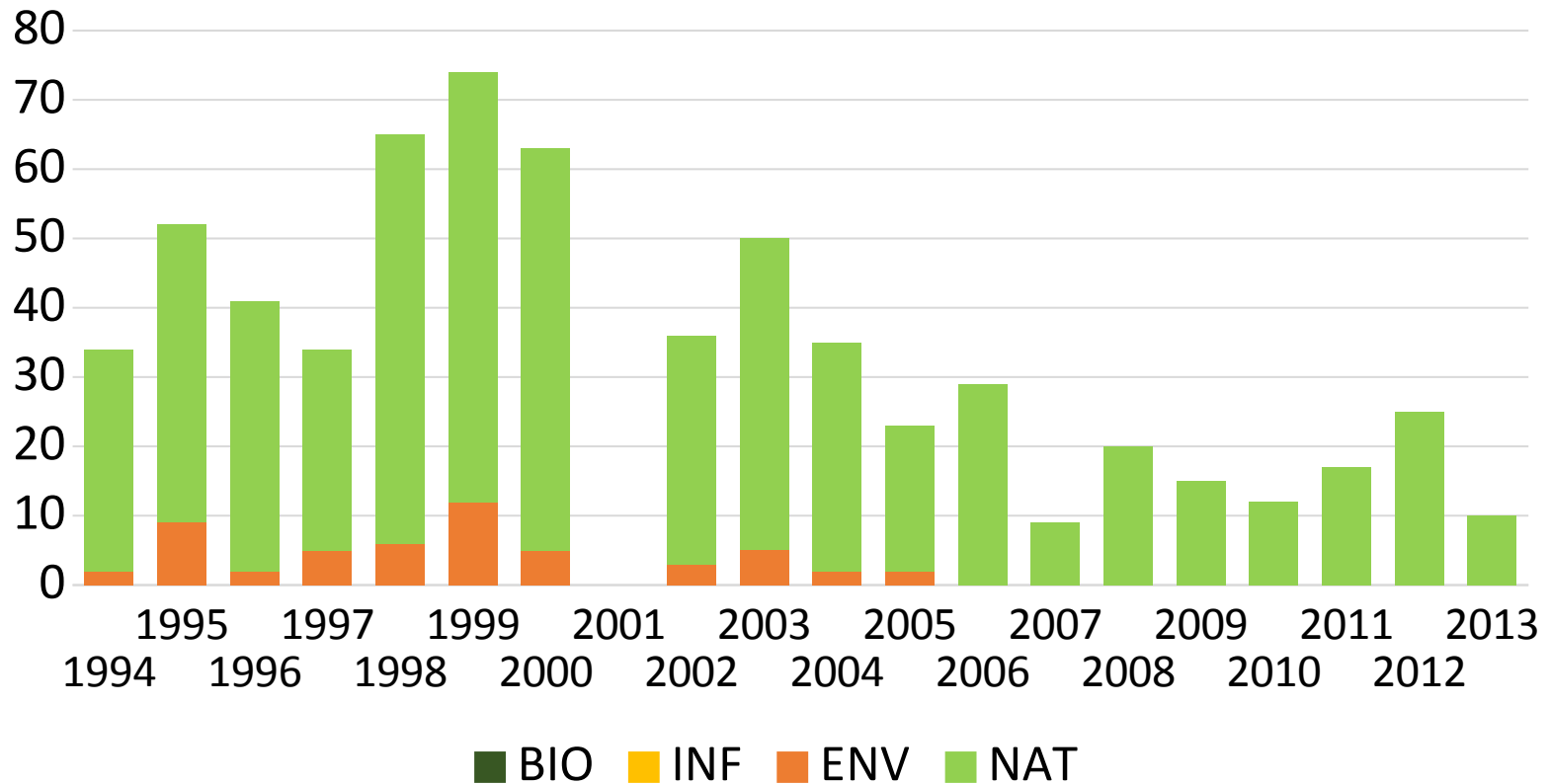
SELECTED PROJECTS

Projects per Country (n = 27)



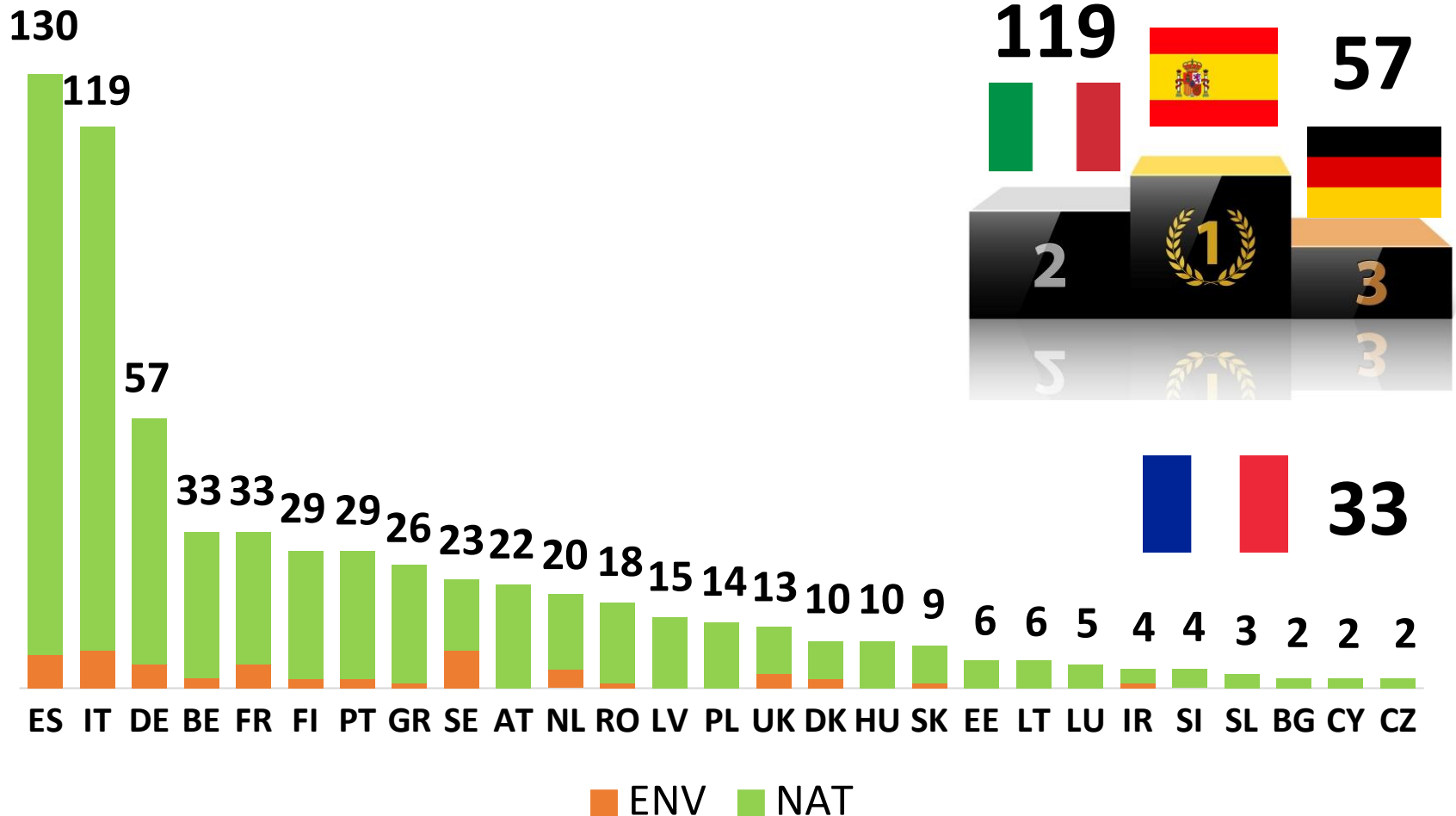
PROJECTS TO EVALUATE

N° of forest LIFE projects per year (n = 644)



PROJECTS TO EVALUATE (N=644)

Projects per Country (n = 27)

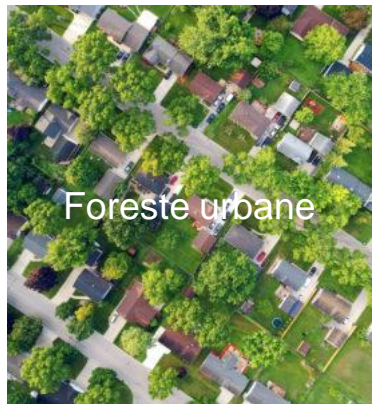


PROJECTS TO CLIMATE CHANGE



6 ES
3 IT
1 FR
1 GR
1 PT

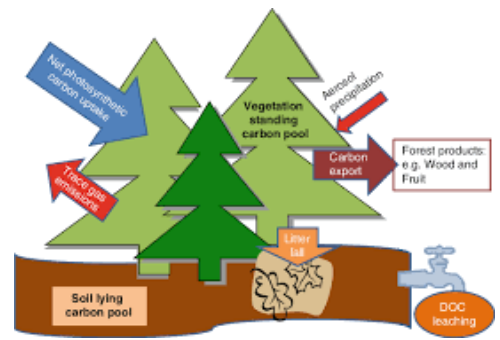
- LIFE15 CCA/ES/000060 MixForChange
- LIFE15 CCA/FR/000021 FORECCAst
- LIFE14 CCM/IT/000905 FoResMit
- LIFE15 CCA/IT/000089 AFORCLIMATE



LIFE14 CCA/ES/000489 LUGO + BIODINÁMICO



- LIFE15 CCA/PT/000043-Montado-adapt
- LIFE16 CCA/IT/000011 DESERT-ADAPT
- LIFE16 CCA/ES/000049 ADAPTATE



- LIFE14 CCM/ES/001271 FOREST CO2
- LIFE14 CCM/GR/000635 CLIMATREE
- LIFE14 CCA/ES/000612 ADAPTAMED
- LIFE16 CCM/ES/000065 CLIMARK



LIFE15 CCA/ES/000125 The Green Link