



# State of art in National Inventory Reports

Cropland and Grassland emissions and removals in Mediterranean Countries

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Project partners:





## Main objective

- Identification of commonalities and differences in reporting strategies in each Mediterranean Country
- Identification of common gaps in information used

## Methodology

- Detailed desk analysis of the last NIR reports

Country	Years	Document / Submission Date
Croatia	1990-2014	NIR, 15 <sup>th</sup> June 2016 CRF, 15 <sup>th</sup> June 2016
Cyprus	1990-2014	NIR, 31 <sup>th</sup> October 2016 CRF, 3 <sup>rd</sup> November 2016
France	1990-2014	NIR, 15 <sup>th</sup> June 2016 CRF (KP), 7 <sup>th</sup> November 2016
Greece	1990-2014	NIR, 31 <sup>st</sup> May 2016 CRF, 14 <sup>th</sup> October 2016
Italy	1990-2014	NIR, 15 <sup>th</sup> April 2016 CRF, 15 <sup>th</sup> April 2016
Malta	1990-2014	NIR, 12 <sup>th</sup> October 2016 CRF, 3 <sup>rd</sup> December 2016
Portugal	1990-2014	NIR, 27 <sup>th</sup> May 2016 CRF, 22 <sup>nd</sup> December 2016
Slovenia	1986-2014	NIR, 14 <sup>th</sup> April 2017 CRF, 12 <sup>th</sup> April 2016
Spain	1990 - 2014	NIR, 13 <sup>th</sup> June 2016 CRF, 26 <sup>th</sup> November 2016



## Methodology

### Stratification used

- Sub-categories
- Special management used

### Activity data

- How the area is reported
- How change in area conversions are reported
- Who provides the data



## Methodology

Living biomass/ Dead wood and litter data

- How the pool is considered
- Emission factors used
- Who provides the data



# Main Results and Conclusions

## Stratification – Cropland

Cropland	Subcategories	Countries
More common	Annual crops Perennial crops	Croatia, France, Italy, Malta and Slovenia
More detailed	Annual crops Vineyards Olive Fruit trees or other permanent crops	Greece, Portugal and Spain

## Stratification - Grassland

Grassland	Subcategories	Countries
More common	Grassland	Croatia, Cyprus, France, Greece and Malta
More detailed	Non-woody grasslands Woody grasslands	Italy, Portugal, Slovenia and Spain





## Activity data

- Geographical information

Most countries use CORINE  
Land Cover Maps

Main issues:

- Map production timing
- Minimum mapping unit
- Map legend
- Mapping management



## Activity data

- Statistical information
- Expert opinions

### Main issues of statistical data:

- Information source inconsistent over time
- Inconsistence data over time:
  - Change in categories classification
  - Inconsistency within same classification from year to year
  - Difficulty in categorizing



## Living Biomass - Annual Crops

Annual Crops	C stock	Countries
Reports	Yield to Biomass	Croatia
Reports	EMEP/EEA default values	Portugal
Not occurring		All the others

## Living Biomass - Perennial crops

Perennial crops	C stock	Countries
Reports	Country specific value	Greece and Spain
Reports	Value from Spain	Italy and Portugal
Reports	IPCC default values	Croatia, France and Slovenia
Reports	JRC	Malta
Not estimated		Cyprus



## Living Biomass – Grassland/Shrublands

Grassland/shrublands	C stock	Countries
Reports	Country specific values	Greece, Italy and Portugal
Reports	IPCC default values	France
Not estimate		Cyprus, Malta, Slovenia and Spain



## Dead Wood and Litter

Pool	Cropland	Grassland	C Stock	Countries
Dead Wood	Not occurring	Not occurring		All
Litter	Reports	Reports	EMEP/EEA default values	Portugal and Spain
	Not occurring	Not occurring		All the others