

# Towards Harmonised Forest Observation, Reporting and Data Collection Framework

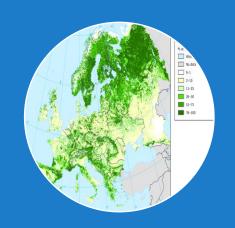
28 September 2022Marco Onida, DG ENV, Forest Team Leader, Land use and management Unit,

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### Strategic forest monitoring, reporting and data collection



Improved use of
Copernicus
products, other
remote-sensing
data and groundbased monitoring



Enhancement of the Forest Information System for Europe (FISE)



New legislative proposal on EU Forest Observation, Reporting and Data Collection and Strategic Plans for Forests



# Data and planning governance today

### Policies

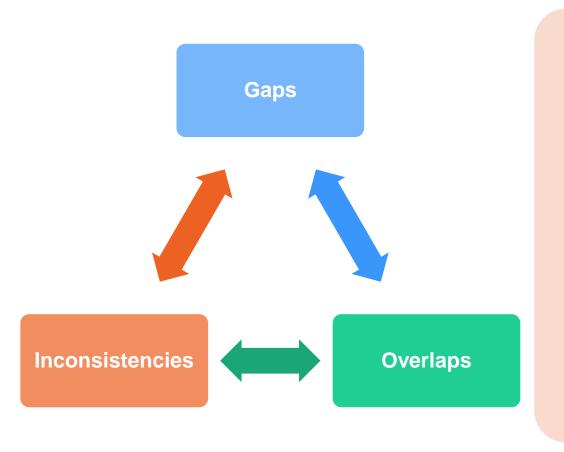
#### LULUCF

Habitats and Birds Directives and Nature Restoration Law

**Renewable Energy Directive III** 

CAP

Planning tools: NECPs, NRL Plans, CAP Strategic plans, Natura 2000 management Plans



### Data

#### **National Forest Inventory**

European Forest Information System

**European Forest Fire Information System** 

Parameters/ statistics for Forest Europe, Eurostat, FAO

**GHG** inventory and projections

Copernicus

**Article 17 of Habitats Directive** 



### Previous attempts to monitor some aspects of forests - all expired

2003

1992

1986

Regulation setting up a scheme to **monitor** the conditions of forests "Forest Focus"

Renewal of previous schemes

Regulation setting up a scheme to **monitor** the effect of air pollution on forests (acid rain)

Regulation setting up a scheme to **monitor** the effect of forest fires



### Pressures and impacts of EU forests

Quickly accelerating rate of change of forest pressures and risks

Climate change effects with extreme weather events such as storms, droughts and wildfires

Acute biodiversity loss

Increased biomass demand and unsustainable forest management

Land-take and fragmentation through pressures from urban settlements and agriculture

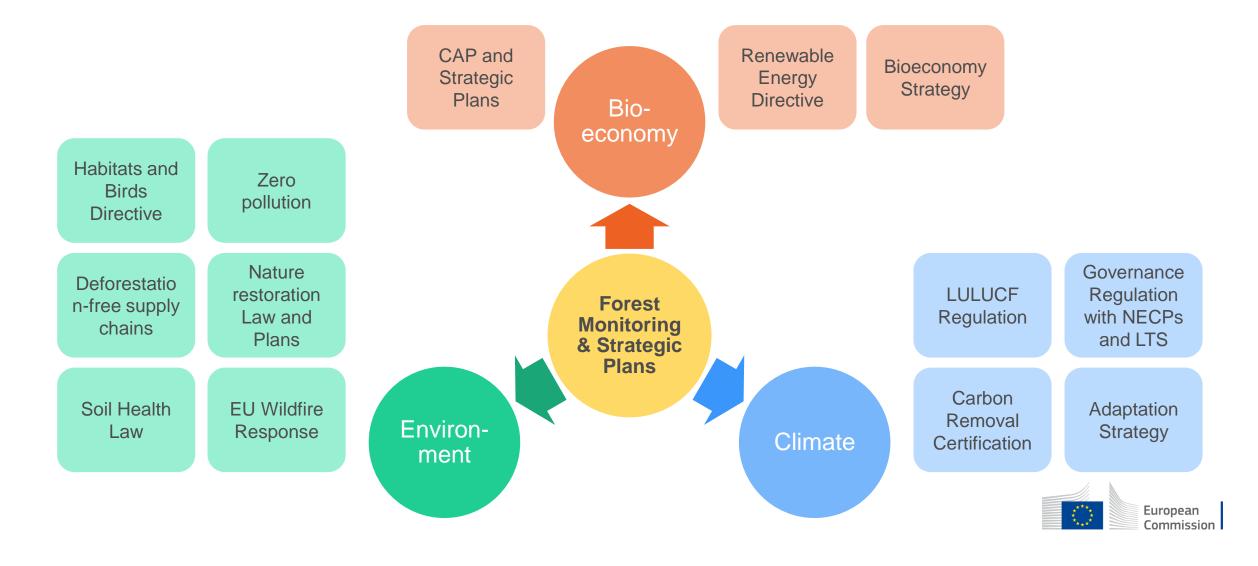
# Critical loss of key forest ecosystem services

- Food and biomass provision
- Carbon sequestration
- Habitat for biodiversity
- Water filtering and cycling
- Nutrient cycling
- Clean air

Risks to human health and welbeing



# General objective: reliable data on EU forests



# Challenges for forest monitoring & planning

#### **Accessibility**

Access to existing forest data is limited

#### **Comparability**

Data is not consistent and comparable across the EU

#### **Quality and trust**

Data is not always timely, quantified, or transparent

### **Indicator coverage**

Not all data needs are covered under current monitoring

Forest monitoring and planning not fit for current and future needs

### Strategic planning

Lack of forecasting and integrated planning with longterm vision



### Remote sensing as critical enabler

### Single and comprehensive data set

- Spatially detailed data for forest managers, policymakers, and stakeholders
- Enabling mapping and monitoring of forests at parcel level
- Single data set can serve all purposes

### Transparent and trusted data

 Openly available satellite data and services used together with published monitoring methods

#### Cost efficient

Standardised objective data collection at low costs



#### **OPEN PUBLIC CONSULTATION**

https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/13396-EU-forests-new-EU-Framework-for-Forest-Monitoring-and-Strategic-Plans\_en

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