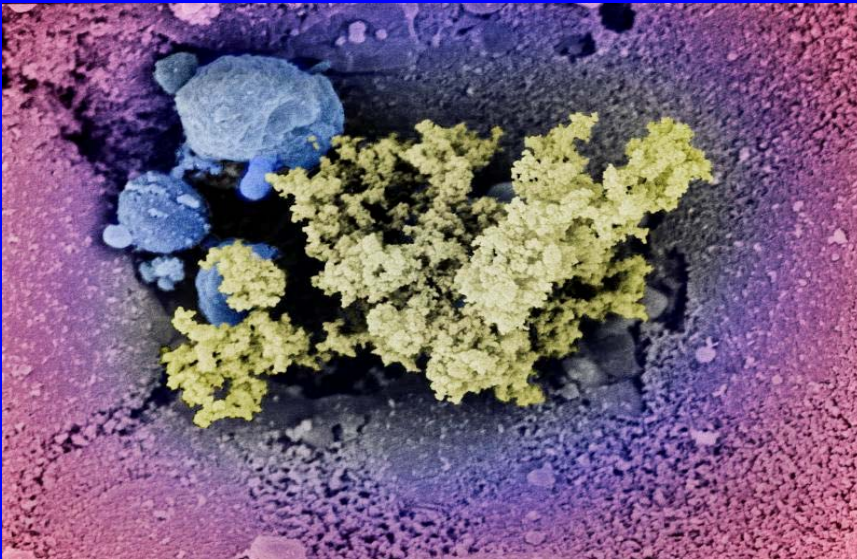




Development of new EU AQ policy and CITEAIR



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CAFE team, DG Environment



Content

- **Why Community legislation?**
 - **Need for more? (Thematic strategy on Air Pollution)**
 - **New Directive proposal (PM2.5, time extension)**
 - **Information – key role in AQ legislation**
 - **New AQD – data availability aspects**
 - **Role of near real time exchange and AQI**
 - **CITEAIR & exchange in EU : threats and opportunities**
-



The mission

- **2002: 6th Environmental Action Programme**
 - *‘achieving levels of air quality that do not give rise to significant negative impacts on and risks to human health and the environment’; (Art 7.1. of 6th EAP)*
-



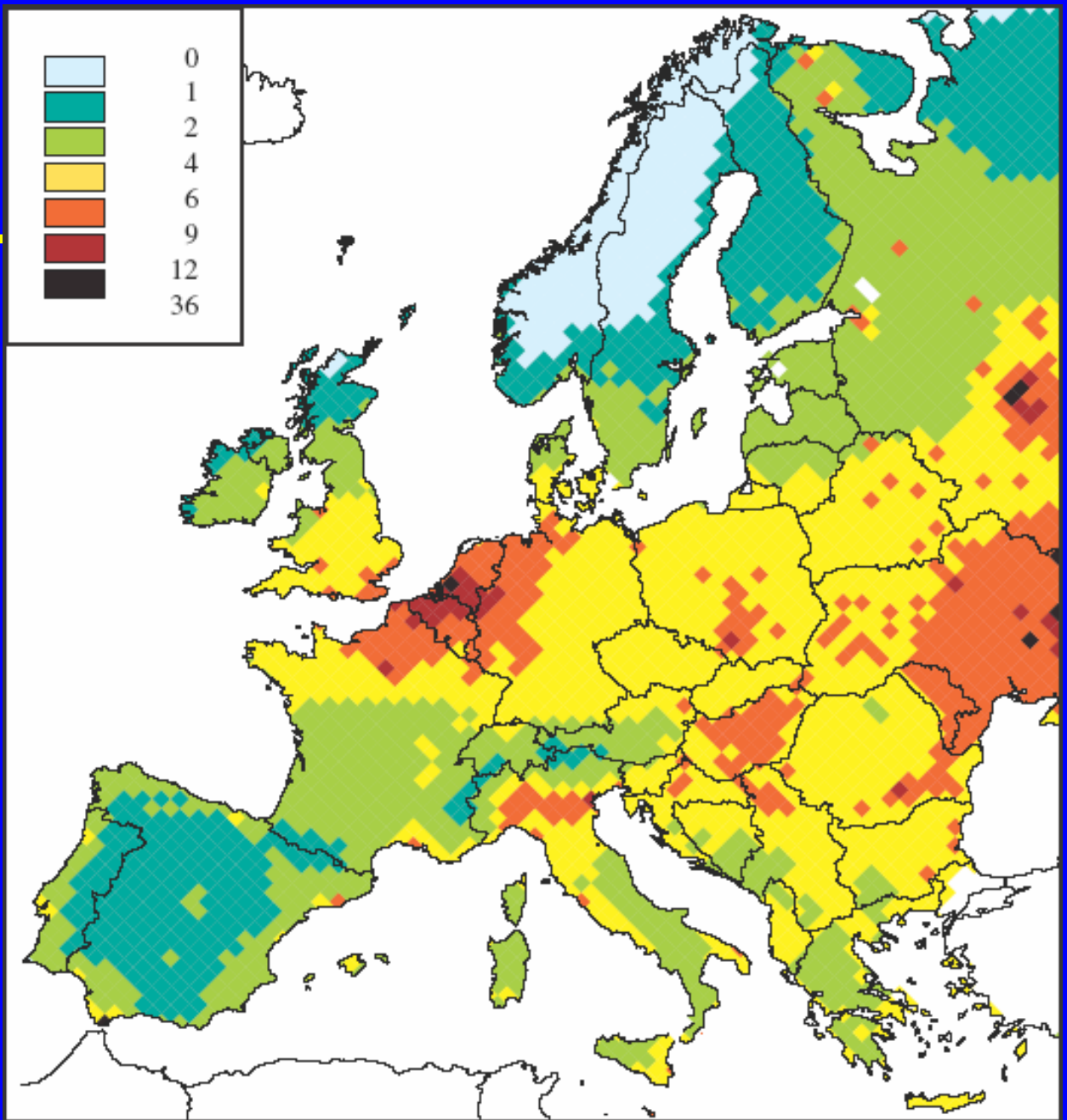
Community air policy - Rationale

- **Minimum common protection for EU citizens**
 - **Air does not respect borders**
 - **Internal market impedes national efforts**
 - **Community measures effective**
 - **Coherence, synergies with other community policies**
 - **CAFE + Implementation experience**
-



Implementation PM10 in numbers

- **2004**
 - **> 1 in 3 zones exceeding Daily LV**
 - **1 in 6 zones exceeding Annual LV**
 - **Number of countries exc. LV principally in all zones**
 - **2005 – LV in force!**
 - **No official submission yet**
 - **16 known complaints on failure to comply**
-



CAFE Baseline

2020

**under current
legislation**

**Loss in life
expectancy due to
fine particles**

(in months)

**270,000 premature
deaths annually**



What is new in the directive?

- A. Respond to updated health advice**
 - ⇒ environmental objectives for $PM_{2,5}$
 - B. Address current compliance problems**
 - ⇒ flexibility of attainment date
 - C. Modernize reporting system**
 - D. Merge/Miscellaneous**
-



What's new (1)

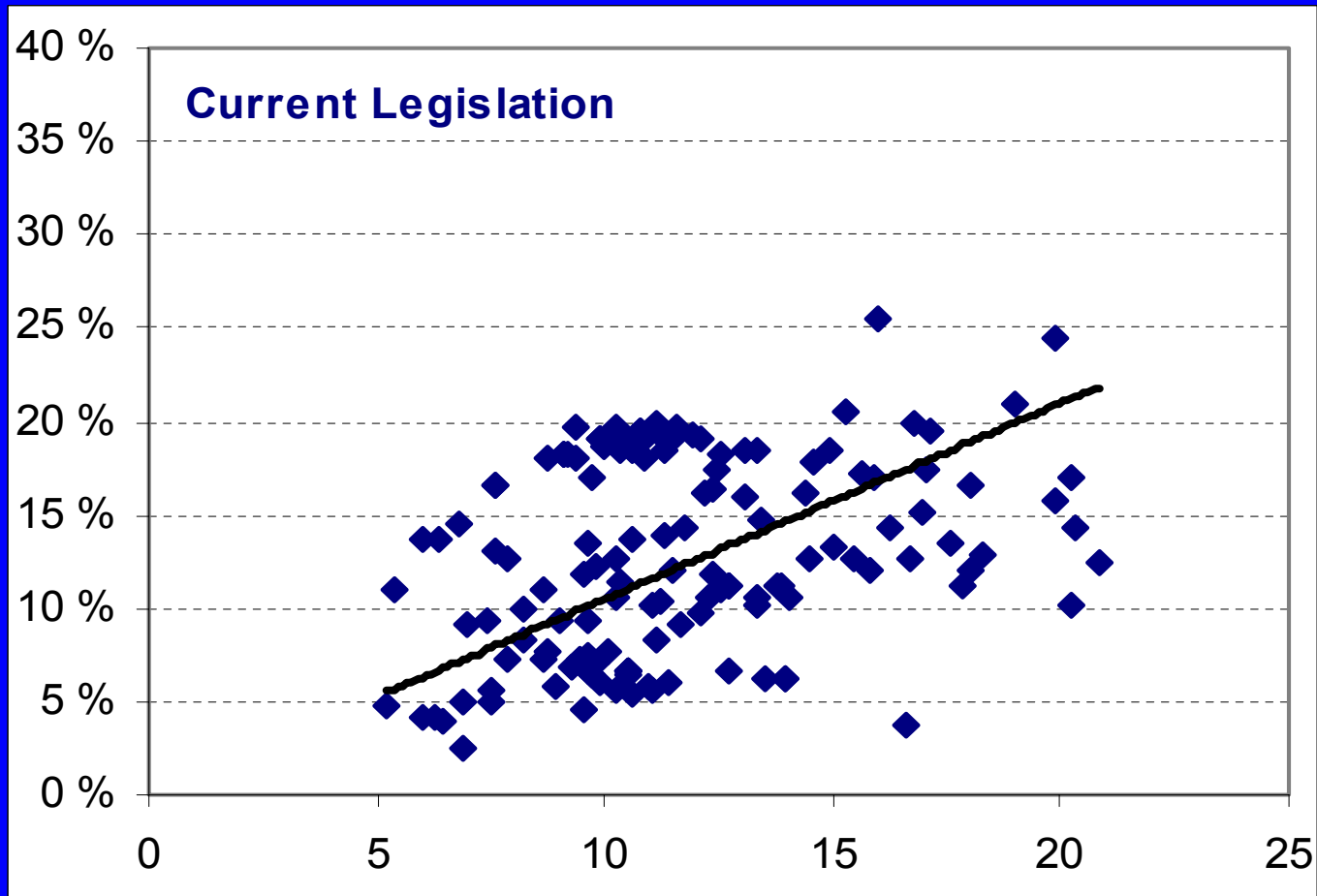
Environmental objectives for $PM_{2,5}$

Concentration cap

Exposure reduction target



PM_{2.5} exposure reduction potential (drafting example)





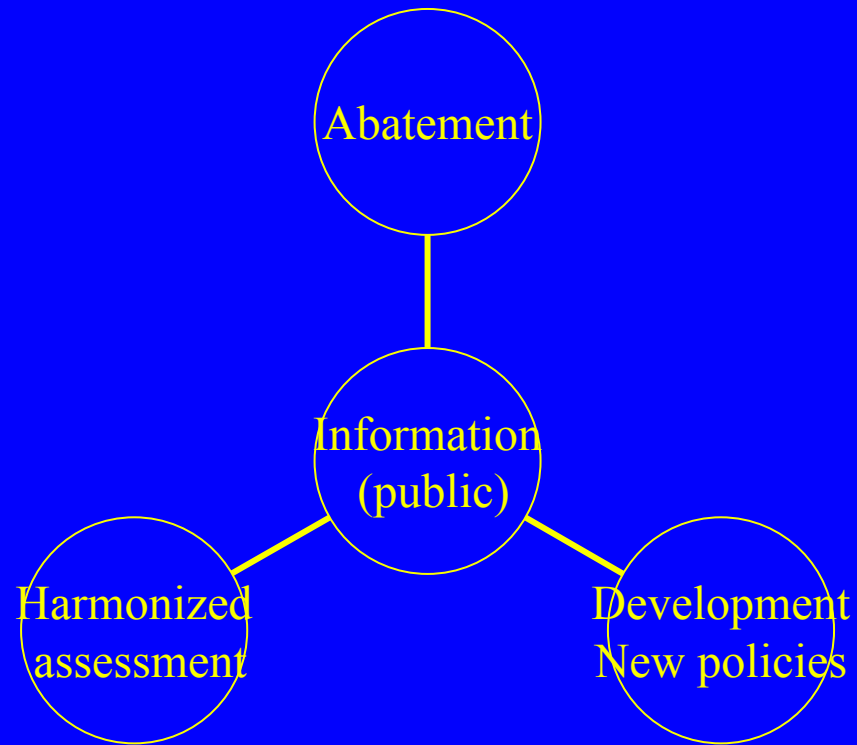
What's new (2)

Addressing compliance problems

- **Attainment date not yet arrived (NO_2)**
 - **Attainment data passed (PM_{10})**
-



Air quality legislation





Information – core element of AQ legislation

- **Air Quality**
 - Valid, Q-controlled data, metadata for assessment
 - Provisional information on ozone
 - Inform citizens on AQ
 - Forecasts & near real time data
 - Indices
 - **Air management**
 - Info on abatement measures and policies
-



New provisions on information in AQD

- ❖ **Updated exchange of valid monitoring data**
 - **Assessment – GIS maps**
 - **Public information provisions largely untouched**
 - **Important developments outside Directive provisions**
 - **Work in progress**
 - **Data Exchange Group**
-



Data availability

- **EEA pivotal role – EU data centre**
 - **Solutions under INSPIRE framework**
 - **Towards Shared Env. Information System**
 - **Scale independence**
 - **Solutions applicable to all scales local/.../EU**
 - **Supporting tools in development**
-



Near Real Time Exchange

- **Provisional data will never replace valid data**
 - **Its principal role in informing the public**
 - **Also support to NRT models, forecasts and merge of remote sensing = new services**
 - **Will not be mandatory under new AQD, but...**
 - **Could replace monthly ozone reporting**
 - **COM : Support to voluntary exchange**
 - **Strengthened contact improves performance in all areas**
-



AQI

- **No common and mandatory EU AQI**
 - Is there a need?
 - **Citeair AQI**
 - interesting approach, dynamic
 - Gaining acceptance
-



COW + Citeair mission

- **Unique bottom-up approach**
 - **Raises awareness**
 - **Promotes exchange of information**
 - **Supports efficient approach to main challenge:**
 - **Abatement of air pollution**
-



Threats

- **Near real time exchange**
 - **Duplication of efforts if not in sync with other activities: EC, EEA,INSPIRE,GMES**
 - **Need for constant user feedback**
 - **AQI : yet another index**
 - **Citeair : project continuity**
-



**Only all levels of governance
EU/national/regional/local working
together can achieve the objectives!**

**Information empowers citizens,
underpins action**

<http://europa.eu.int/comm/environment/air/index.htm>
