





Umweltbeobachtungskonferenz 2004



Air Pollution Effects on Health

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Chairperson EMEP Steering Body

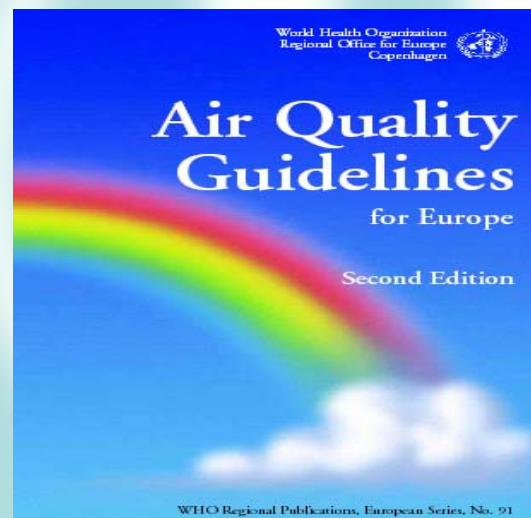
Project Manager at WHO (2002-2004)

Ziel: Identifizierung und Quantifizierung von Effekten von Luftschadstoffen auf die Gesundheit, als Basis für weitere Maßnahmen

Steps of a risk assessment

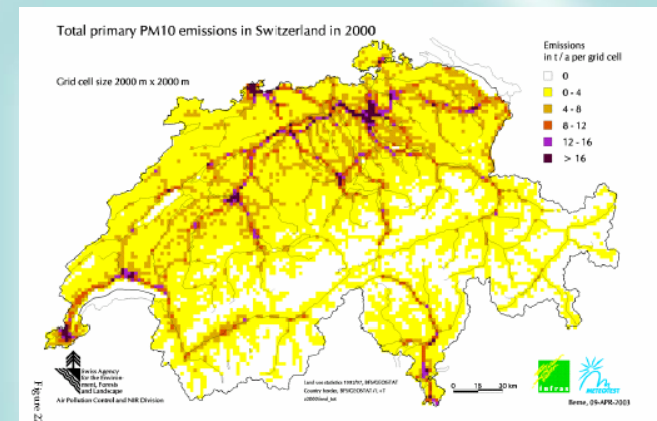
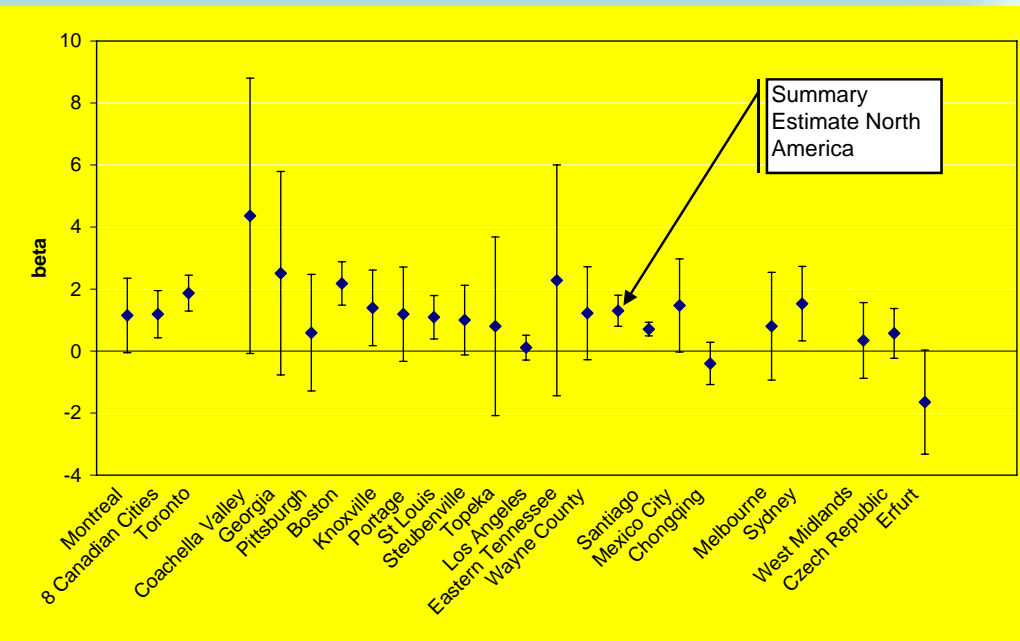
- Hazard identification: WHO
- Development of dose-response function: WHO
- Exposure assessment: EMEP; City delta; Jedermann
- Risk characterisation WHO, EMEP, IIASA

Hazard identification

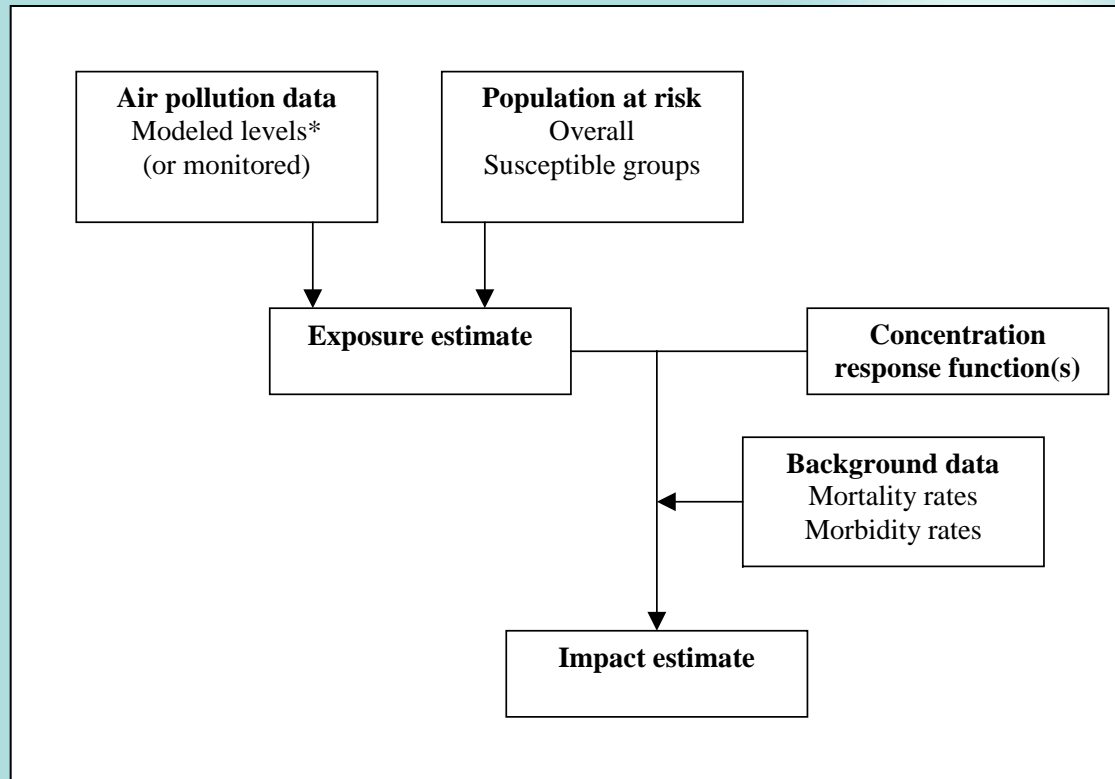


Development of CR function

Exposure assessment

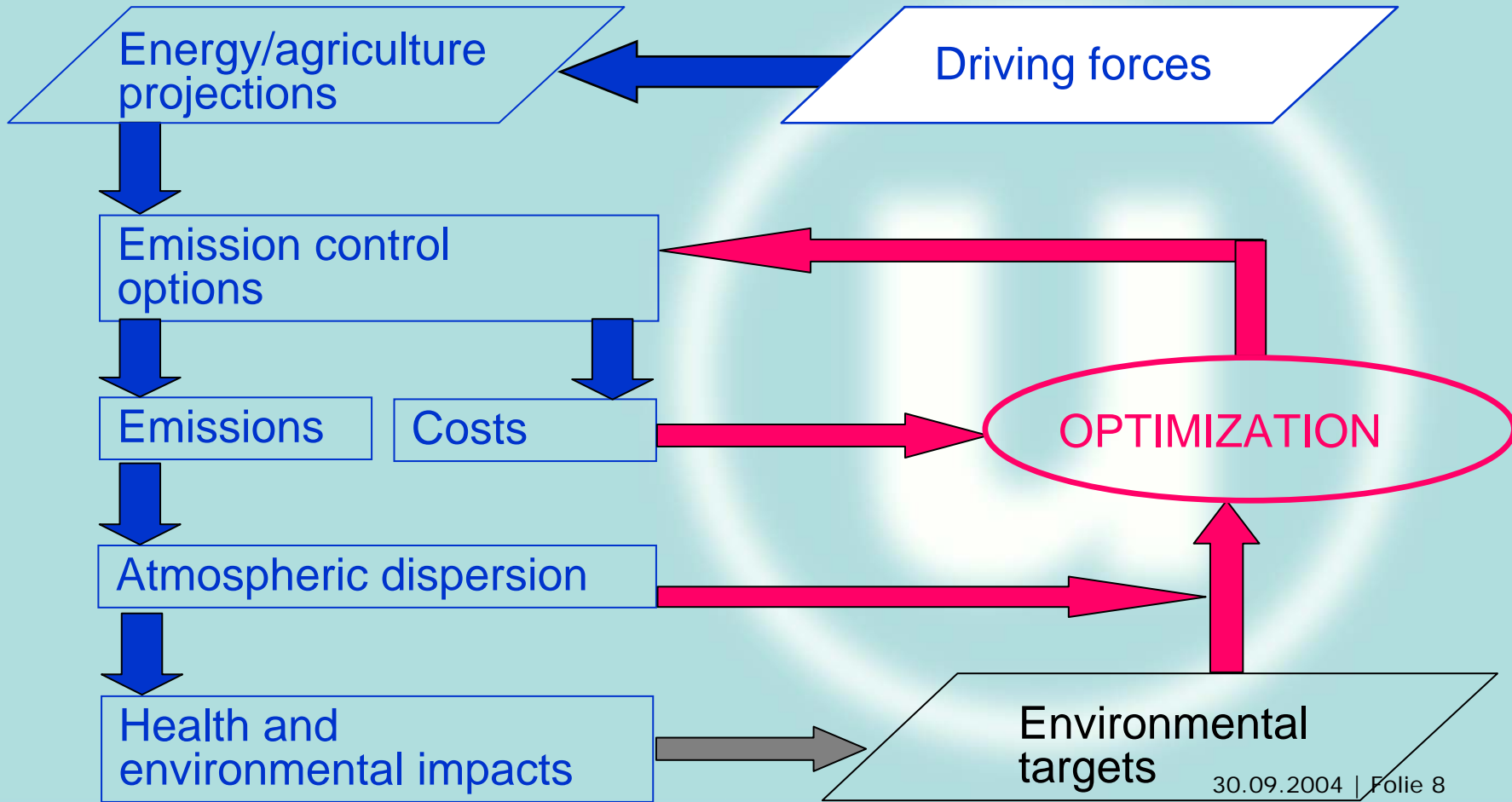


Structural indicator for exposure assessment

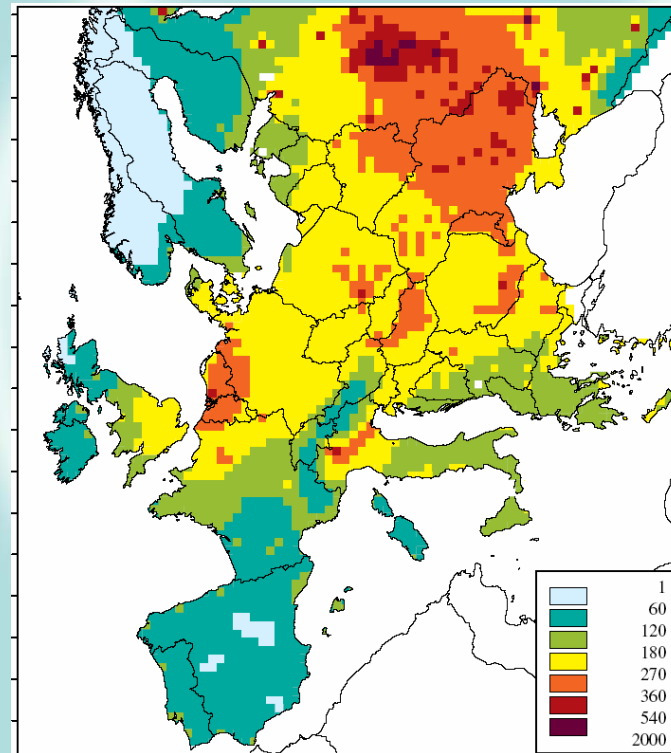
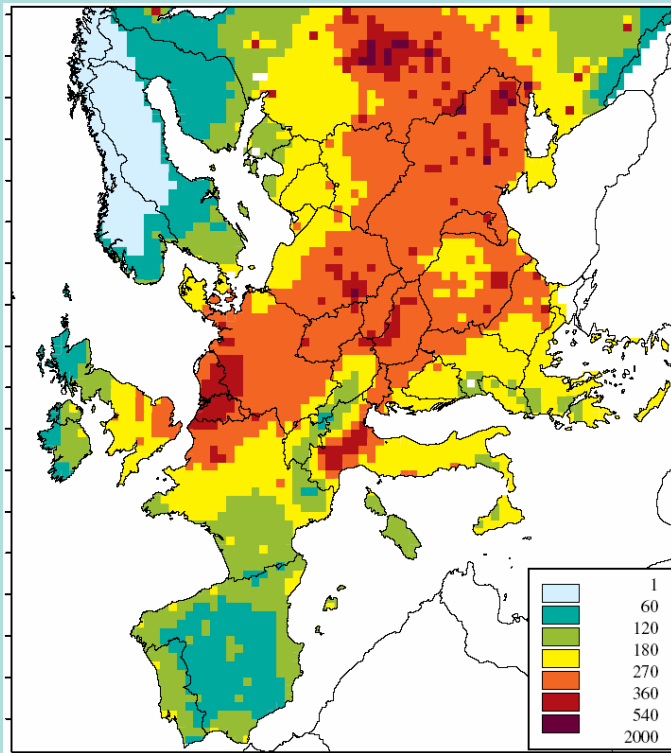




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Risk estimate: reduction of life expectancy due to exposure to fine PM



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Defizite:

Health effects studies (European)

DGEnv versus DGRes

Health related AQ Monitoring -> Exposure

Health base rates (in particular morbidity)

Stärken:

Gut dokumentierte Effekte

Transparenz, stakeholder involvement

Definierte Verantwortlichkeiten

Internationale Institutionen, die zwischen Wissenschaft und policy development angesiedelt sind