GAINS

GHG-Air pollution INteractions and Synergies model

- **Extension of RAINS integrated assessment model for air pollution to GHGs**

- **CO_2, CH_4, N_2O, HFC, PFC, SF_6 in addition to SO_2, NO_x, VOC, NH_3, PM**

- **Currently implemented for 43 countries in Europe (funded by the Netherlands), GAINS-Asia (China and India) implementation started last month (funded by DG-Research)**

The GAINS approach

for identifying cost-effective emission control strategies
(GHG-Air pollution INteractions and Synergies)

IIASA's GAINS optimization model

PM SO_2 NH_3 NO_x VOC   GHGs

Health   Eutrophication   Acidification   Ozone

Policy targets on air quality

Policy target on GHG emissions