

Air Quality Modelling in Croatia

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1998, 2000, 2002, 2004

- ❑ **Before 1974:** Governmental decision on sitting criteria and conditions for building large industrial facilities and thermal power plants (Zagreb TPP I, TPP II, TPP Rijeka I; 200-240 m)
- ❑ **1974:** Regulation on obligatory environmental impact studies for large industrial sources and thermal power plants, revised in 1985.
- ❑ **US experience and US regulations** (Clean Air Act 1970)
- ❑ Nuclear Power Plants Sitting (3 sites examined, 1980-1987)
- ❑ Second generation PP – mid eighties

- ❑ Extensive use of point source dispersion models to define optimal stack height (Zagreb, 1970-1972, Rijeka 1974, Plomin 1980, Zenica, BIH 1986) and concentration distribution around sources
- ❑ Field experiments and measurement campaigns to support and verify models, to analyse meteorological and air pollution conditions – until 1987-1988
- ❑ **1986** – University of Zagreb – more intensive education on air quality modelling
- ❑ **1996** – Private companies and institutes: standard to routinely use US EPA Gaussian regulatory models
- ❑ **2006** – Regional , complex air pollution modelling





