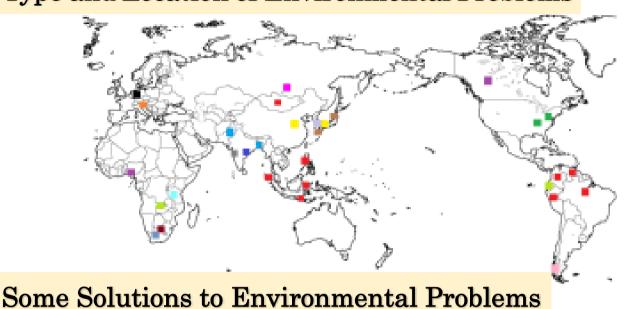
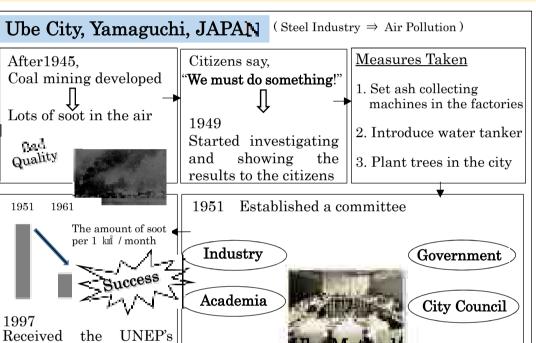
# Research on Industries in Places Where Environmental Problems Occurred

## Type and Location of Environmental Problems



2810 Kumamoto Prefectural Minamata High School

- Mining (Gold) → Mercury Pollution
- Mining (Gold) → Soil, Air, and Water Pollution
- Mining (Mercury) → Mercury Pollution
- Mining (Oil / Oil Sand) → Water Pollution
- Mining(Copper) → Soil Pollution
- Mining (Lead) → Water Pollution
- Coal Industry → Air Pollution Steel Industry → Air Pollution
- Steel Industry → Water Pollution
- Chemical Industry → Water Pollution Chemical, Steel, and Machine → Air Pollution
- Leather Industry → Water Pollution
- Leather, Oil, and Textile → Soil Pollution
- Fish-raising Industry → Water Pollution
- Papermaking Water Pollution
- Agriculture ➡ Water Pollution
- Uncertain → Water Pollution(Mercury)



#### Pittsburgh, Pennsylvania, USA (Steel Industry ⇒ Air & Water Pollution)

1946-1973 Renaissance I

- 1. Urban Renewal Plans: Build a new park and office buildings
- 2. Regulations: No fuels or equipment causing smoke!

1977 Renaissance II

- 1. Urban Renewal Plans: Construct subways, theaters, and buildings
- 2. Invite companies to the city



The University of Pittsburgh Organ Transplant

Carnegie Mellon University

Computer Science

"High-Tech City"



#### Chattanooga, Tennessee, USA

(Steel Industry  $\Rightarrow$  Air Pollution)

Prosperity as a steel industry city Serious air pollution 1970s

1983 New project

'Global 500" award



If the citizens don't work together, the city can't be rebuilt.

Dr.S.Watson, a famous urban planner

- Involve the citizens in meetings · Reconstruct downtown
- · Develop electric buses & Free bus services







Growth of the tourist industry

### Minamata, Kumamoto, Japan

( Chemical Industry  $\Rightarrow$  Water Pollution )

- 1976 Reclamation of Minamata Bay
- Completed "Eco-Park" 2000
- 2001 Approved Eco-Town Project
- 2008Recognized as an Model Environmental City
- 2009 Started "Entaku-Kaigi"
- 2016 Established "Minamata Environmental Academia" (M.E.A)







Eco-Park

Eco-Park Rose Garden

M.E.A

### What We Can Do to Make Minamata Even Better

Make Minamata a more attractive city which many people want to visit.

We should make the environment our first priority when taking action.

We must take an interest in the measures taken and know what's going on in our city.





The citizens' opinions should be included in the measures.



SUIKO-san