

# Water Water Everywhere, So Who Gets the Money

## Examining International Aid for Watershed Projects



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# Research Questions:

- What factors contribute to the allocation of foreign aid to watershed projects?
- How do US aid allocations differ from those of other donor countries?
- How much of the aid going to watershed projects is commercial versus environmental?

# Hypotheses:

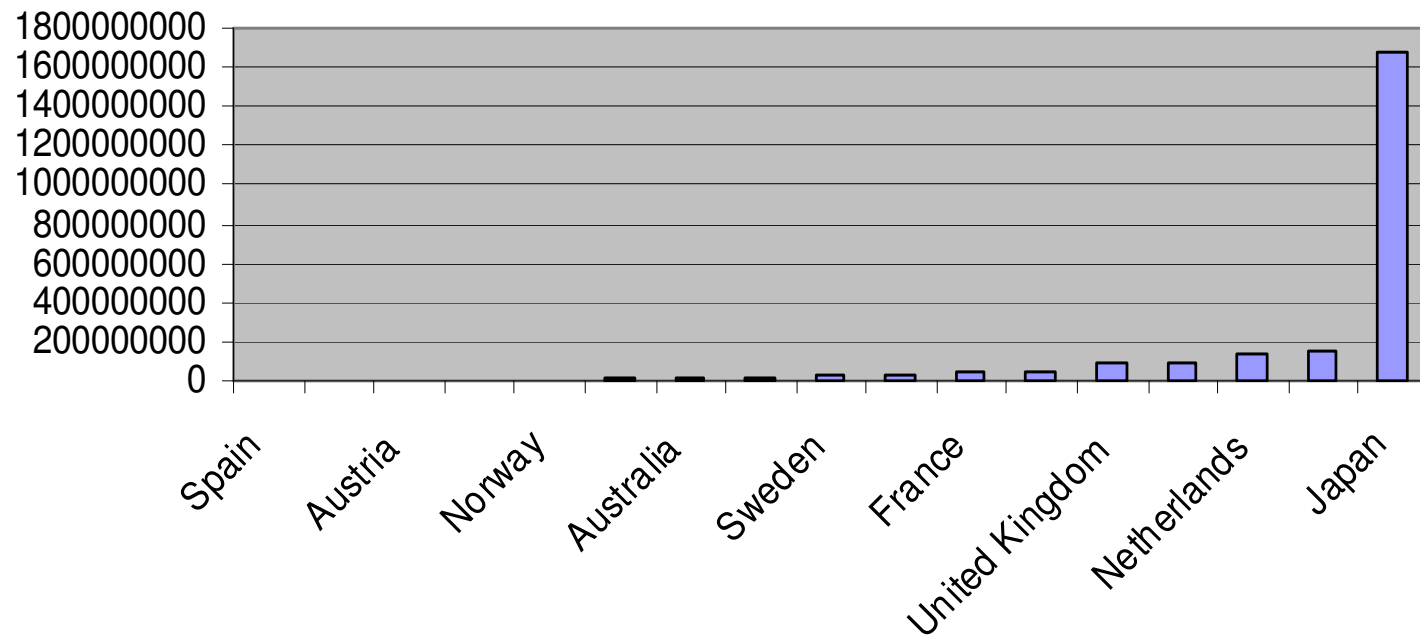
- Aid for watershed projects will be given based on the need of the recipient country
- US aid allocation patterns will be the same as other donor countries
- Most of the aid for watershed projects will be environmental



# Data Collection Methods

- Determined what countries are providing watershed aid
- Determined the amount of aid that is being given

Total Watershed Aid





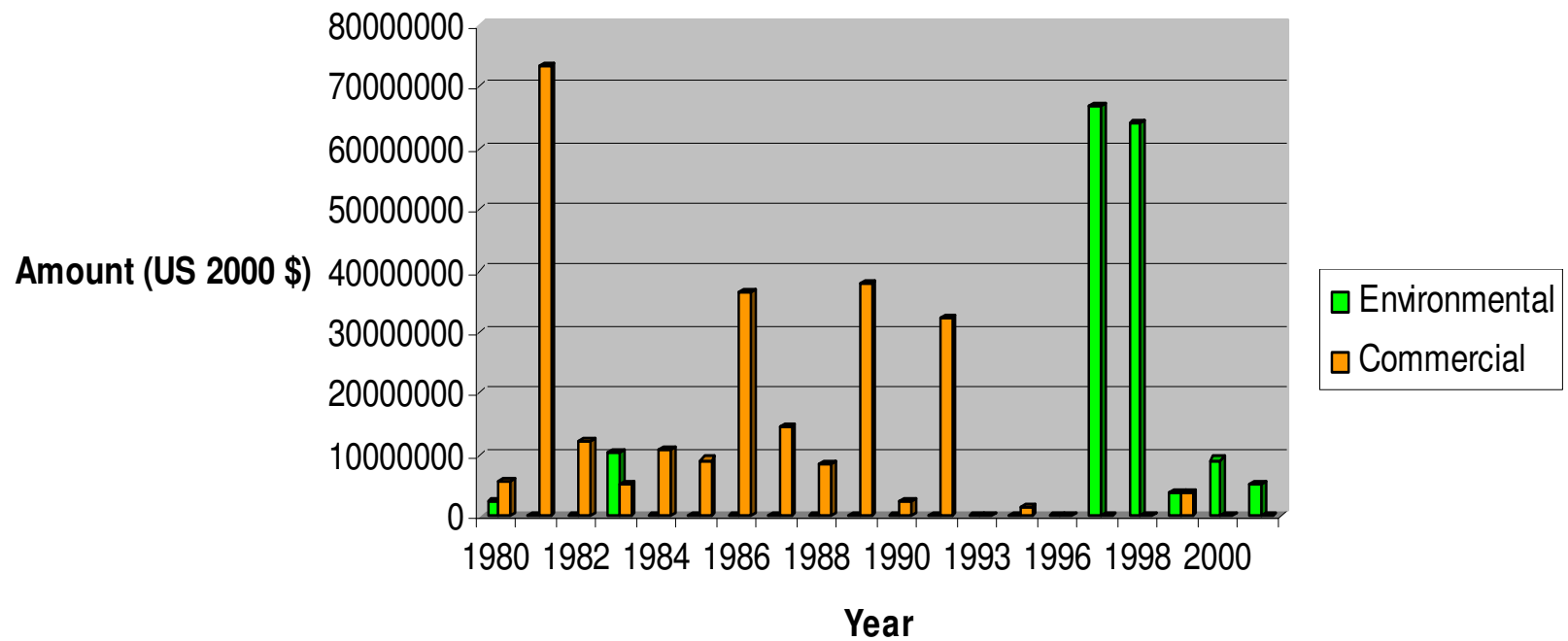
# **Data Analysis**

# Environmental vs. Commercial

- Watershed rehabilitation
- Biodiversity protection
- Water resource protection
- Agricultural supply
- Fishery development
- Power generation
- Ports, waterways, and shipping



## US Environmental vs. Commercial Aid





# Running the Model

## **Dependant Variable**

Share of Environmental Aid

or

Share of Commercial Aid

## **Independent Variables**

GDP

Population

Trade

Colony

Organic Water Emissions

Land use

Government Effectiveness



# Results

# Getting Over the Environmental Hurdle

	Environmental Aid Gate
GDP	X
<b>Population</b>	<b>+</b>
Trade	X
Colony	X
<b>Organic Water Emissions</b>	<b>+</b>
Land Use	X
<b>Government effectiveness</b>	<b>+</b>



# So You Made it Over the Hurdle

	Share Environmental Aid (Once past the Gate)
GDP	X
Population	X
<b>Trade</b>	<b>+</b>
Colony	X
<b>Organic Water Emissions</b>	<b>+</b>
Land Use	X
Government effectiveness	X



# Getting Over the Commercial Hurdle

	Commercial Aid Gate
<b>GDP</b>	+
<b>Population</b>	+
<b>Trade</b>	+
<b>Colony</b>	+
<b>Organic Water Emissions</b>	+
Land Use	X
<b>Government effectiveness</b>	+

# So You Made it Over the Hurdle

	Share Commercial Aid (Once past the Gate)
GDP	X
Population	X
<b>Trade</b>	+
Colony	X
Organic Water Emissions	x
Land Use	X
Government effectiveness	X

# How About US

## Getting Over the US Environmental Hurdle

	US Environmental Aid Gate
GDP	X
Population	X
Trade	X
Colony	X
Organic Water Emissions	X
Land Use	X
Government effectiveness	+



# Once Over US Environmental Hurdle

	US Share Environmental Aid (Once past the Gate)
GDP	X
Population	X
Trade	X
Colony	X
Organic Water Emissions	X
Land Use	X
Government effectiveness	X



# Getting Over the US Commercial Hurdle

	US Commercial Aid Gate
GDP	X
Population	X
Trade	X
Colony	X
Organic Water Emissions	X
Land Use	X
Government Stability	X

# Once Over the US Commercial Hurdle

	US Share Commercial Aid (Once past the Gate)
GDP	X
Population	X
Trade	X
Colony	X
Organic Water Emissions	X
Land Use	X
Government Effectiveness	X

# Conclusions Across All Donors

- Getting over the environmental hurdle: population, water quality, and government effectiveness
- Once over the hurdle: trade and water quality
- Getting over the commercial gate: Population, GDP, trade, water quality, government effectiveness
- Once over the hurdle: Trade



# Conclusions for US

- Getting over the environmental hurdle: government effectiveness
- Once over the hurdle: no significance
- Getting over the commercial hurdle: no significance
- Once over the hurdle: no significance



# Where does the water go from here

- Run models using different IVs
- Develop a method for sorting out recipient countries that have minimal to no watersheds
- Develop a method to denote costal vs. landlocked countries
- Examine multilateral donation patterns
- Develop a model to view donation patterns from the donor prospective

# Thank You

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