

# Health Care Modernization in Central and Eastern Europe

**Michael J. Klag, MD, MPH**

**Dean, Johns Hopkins Bloomberg  
School of Public Health**

## Outline of Talk

- Project Overview
- Epidemiologic, Demographic, and Economic Challenges for Health Care Financing in Central and Eastern Europe



# Project Overview

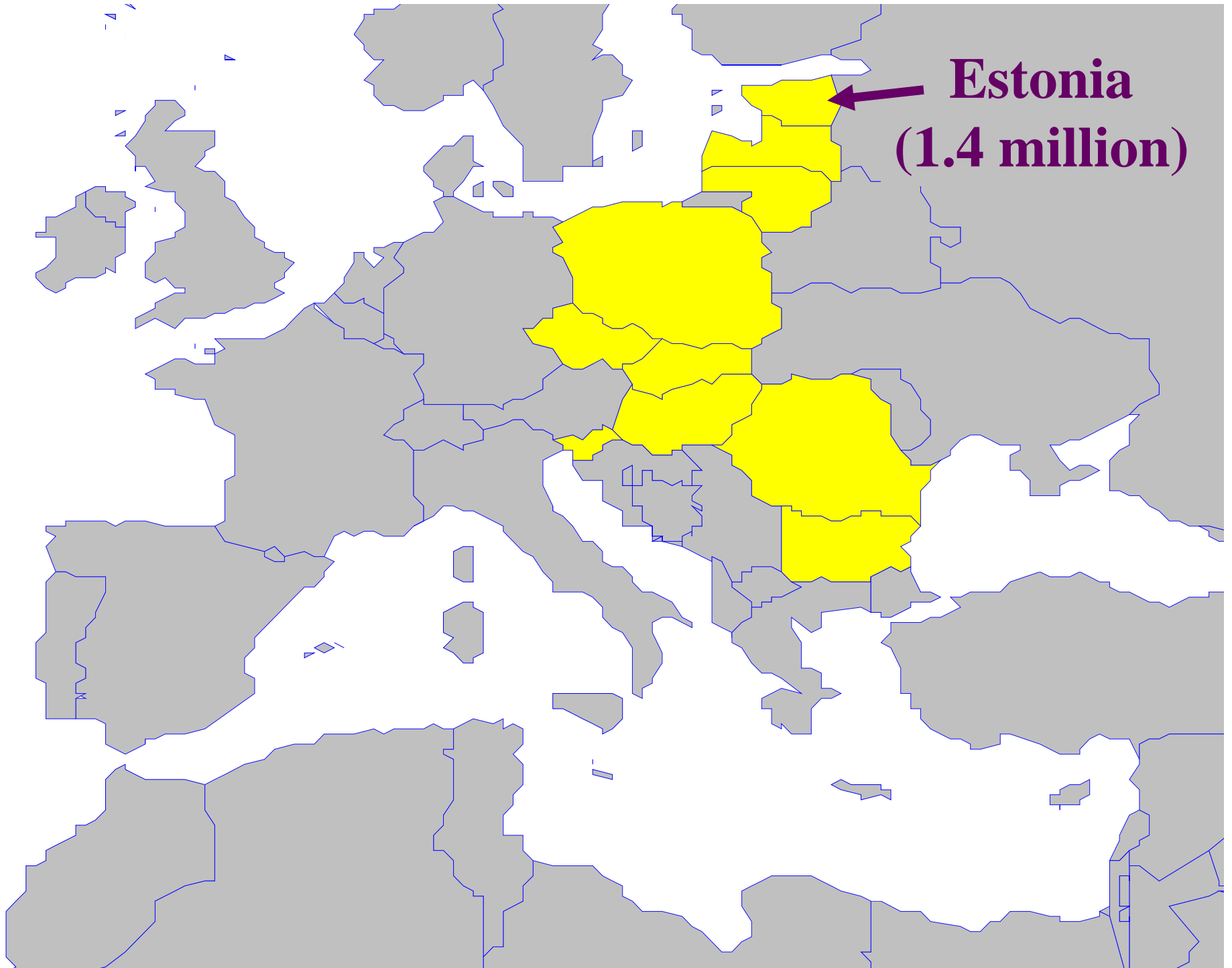


## Mission Statement

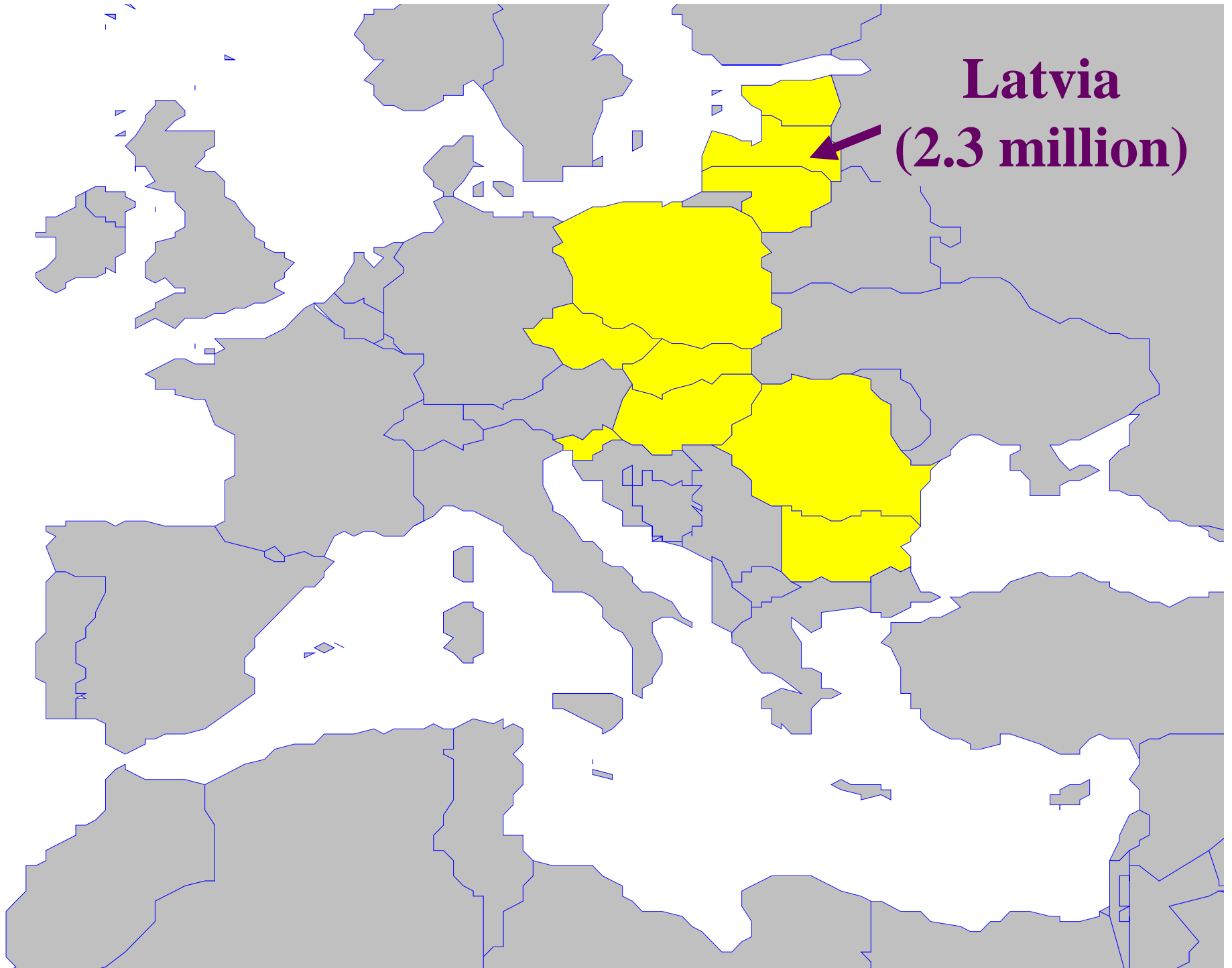
- Identify priority areas for modernizing and improving health care in Central and Eastern Europe; and
- Propose strategies for resolving key challenges in these areas.

## Countries Involved in the Study

- Bulgaria
- Czech Republic
- Estonia
- Hungary
- Latvia
- Lithuania
- Poland
- Romania
- Slovakia
- Slovenia

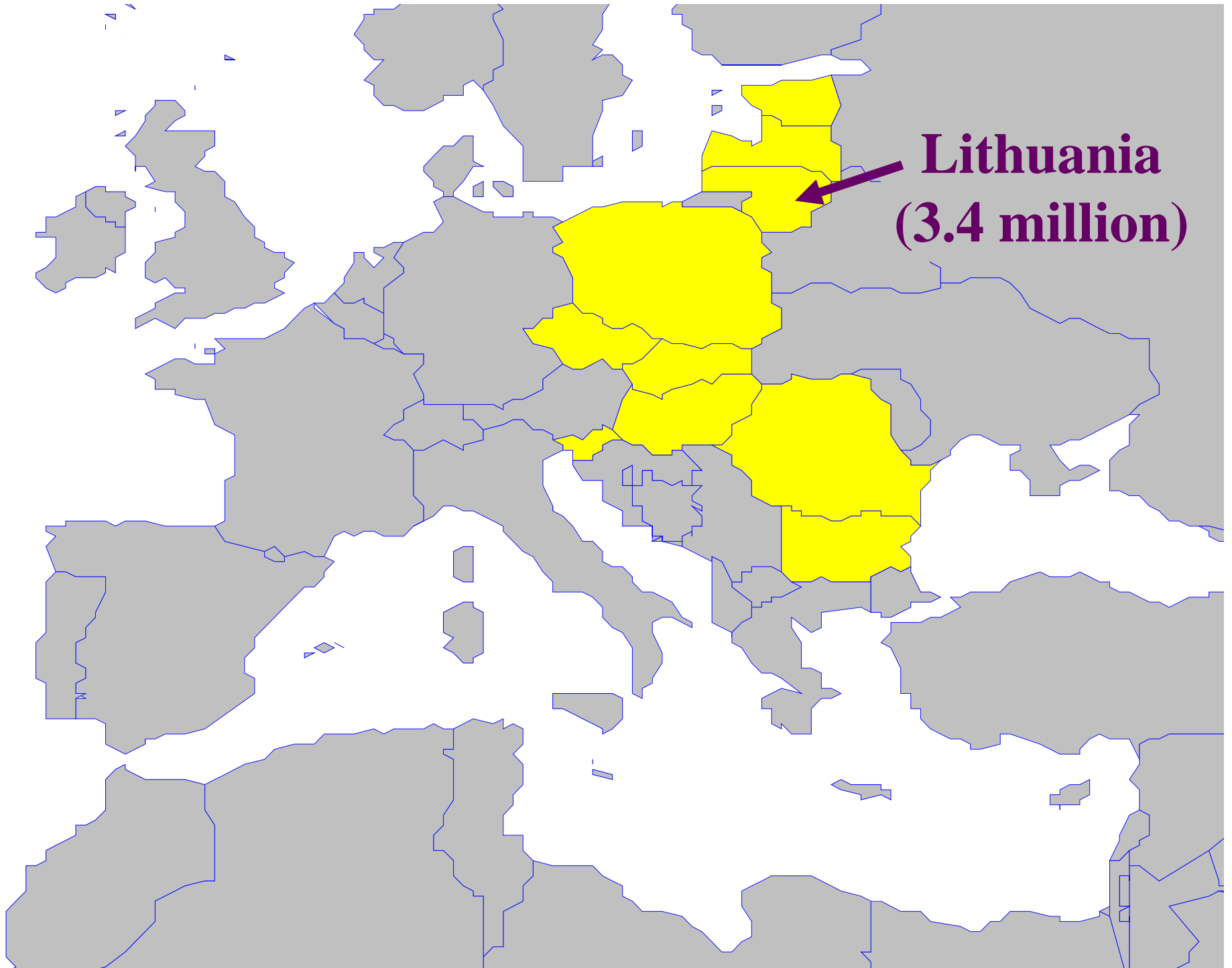


**Estonia**  
**(1.4 million)**

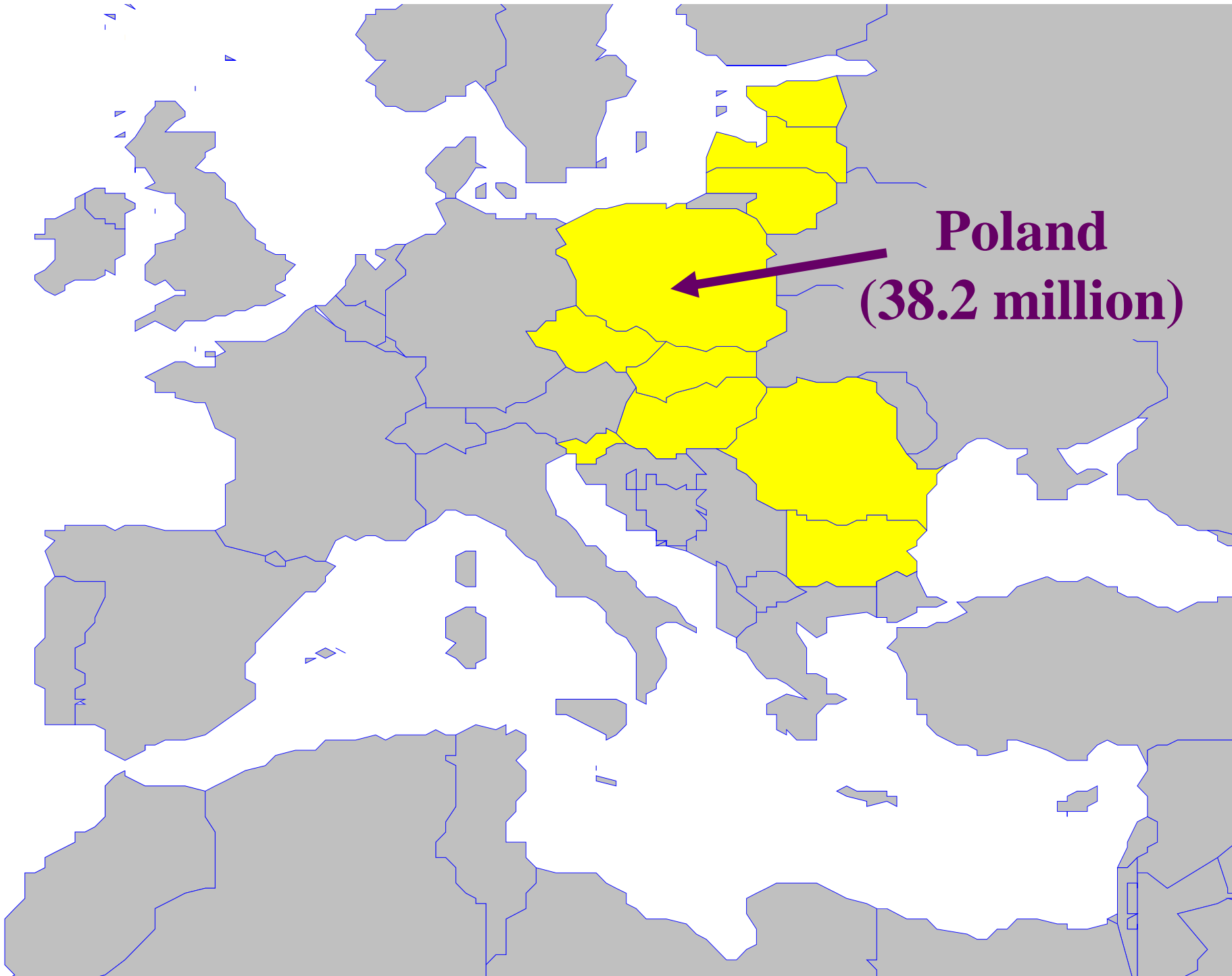


**Latvia**  
**(2.3 million)**

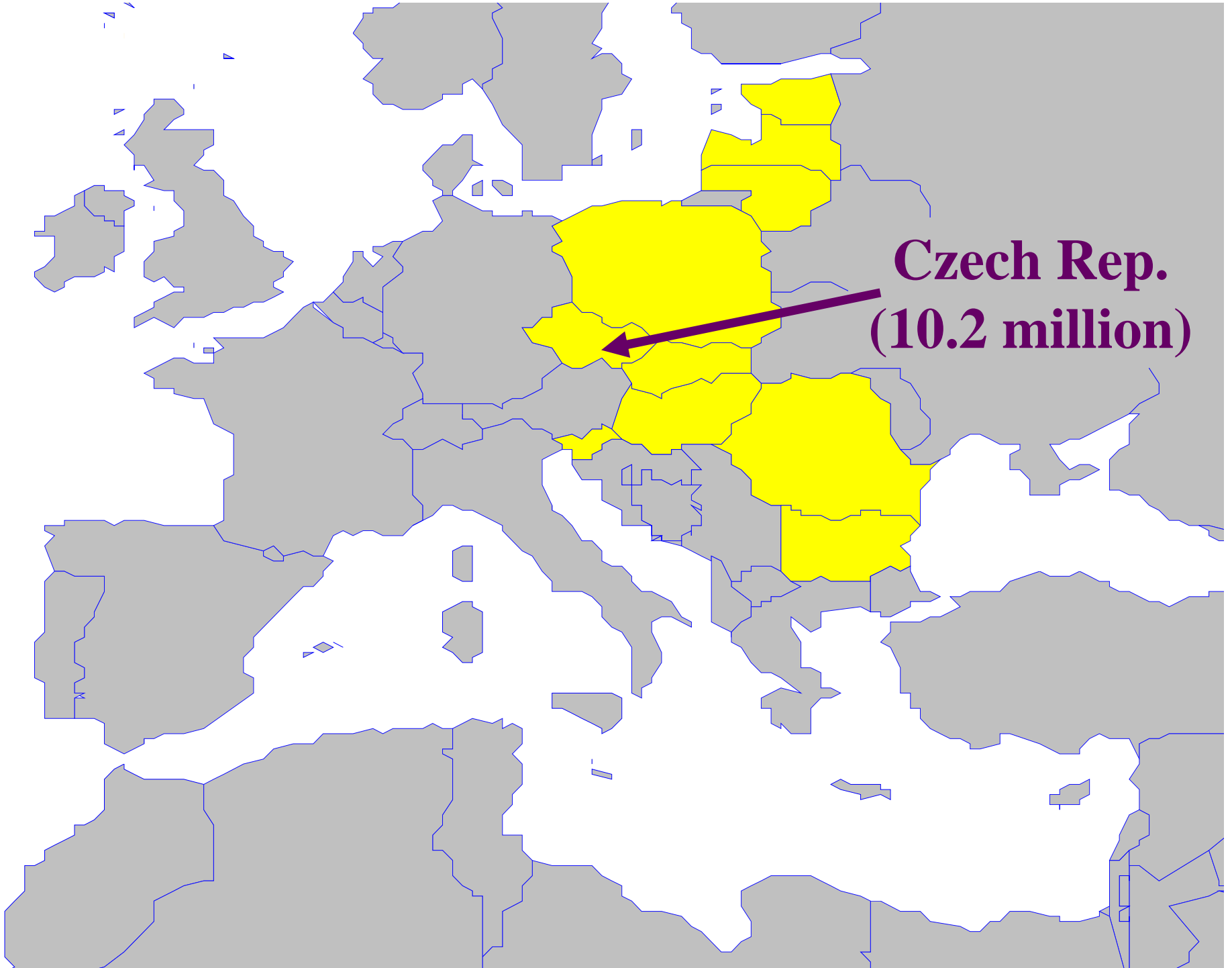




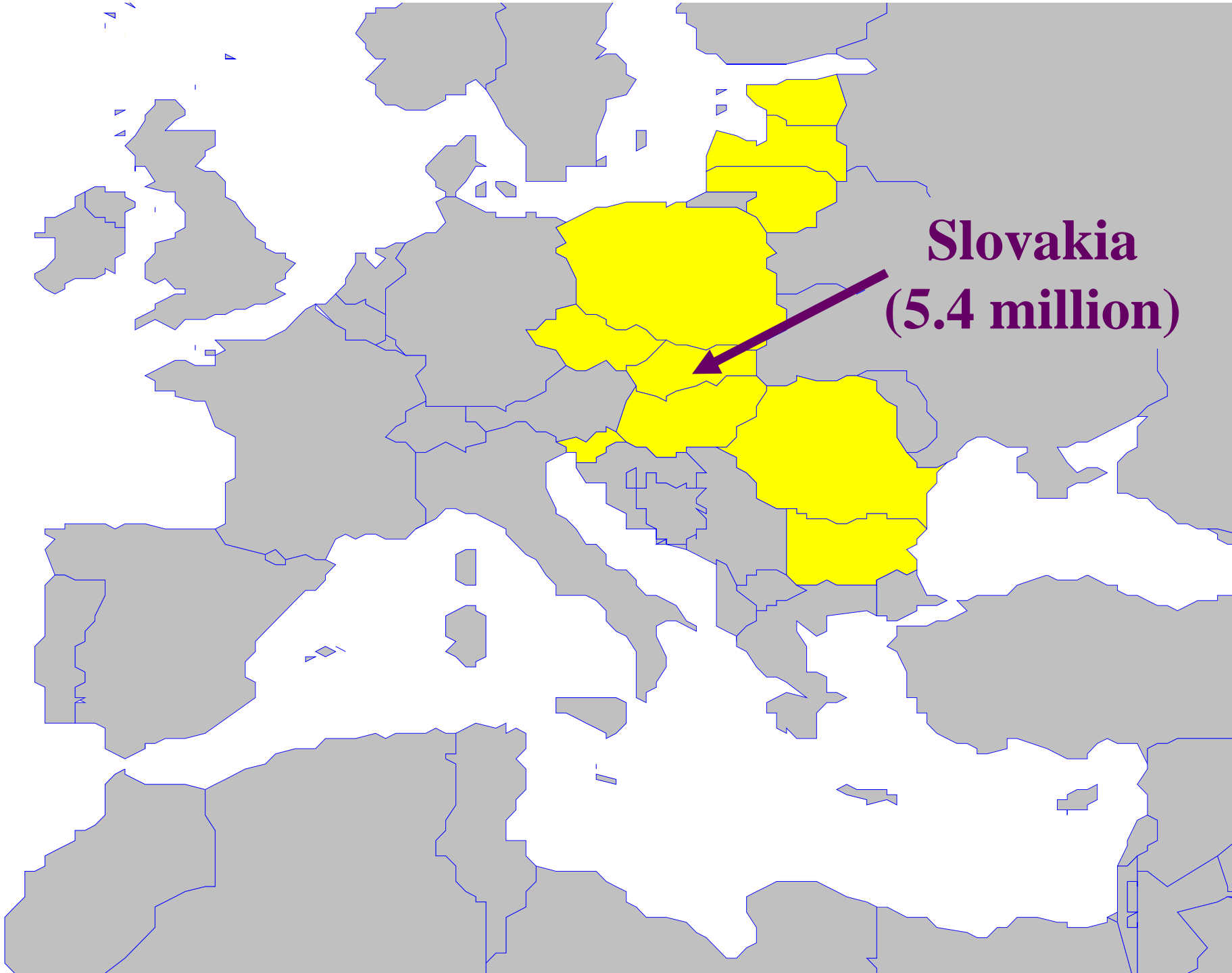
**Lithuania**  
**(3.4 million)**



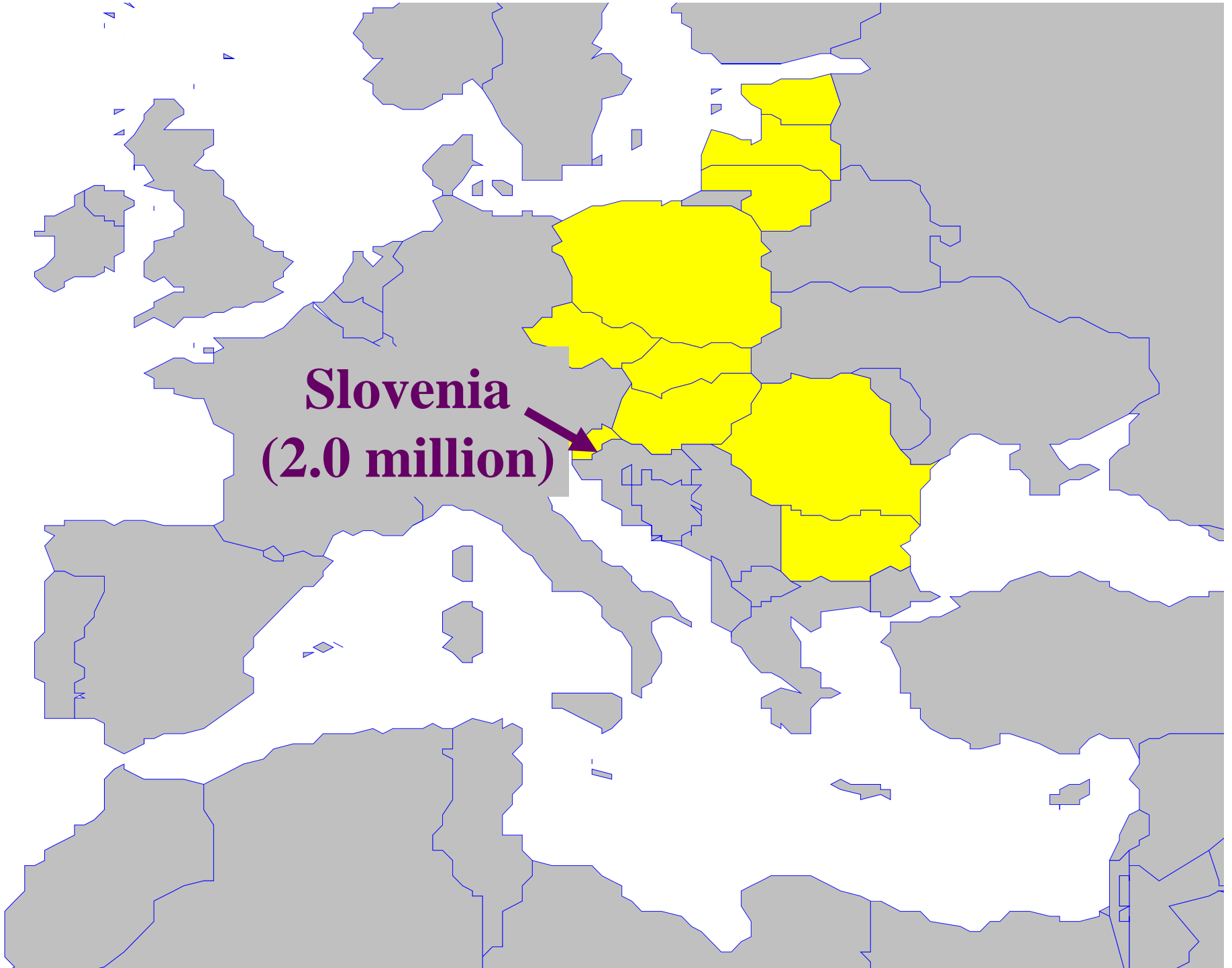
**Poland**  
**(38.2 million)**



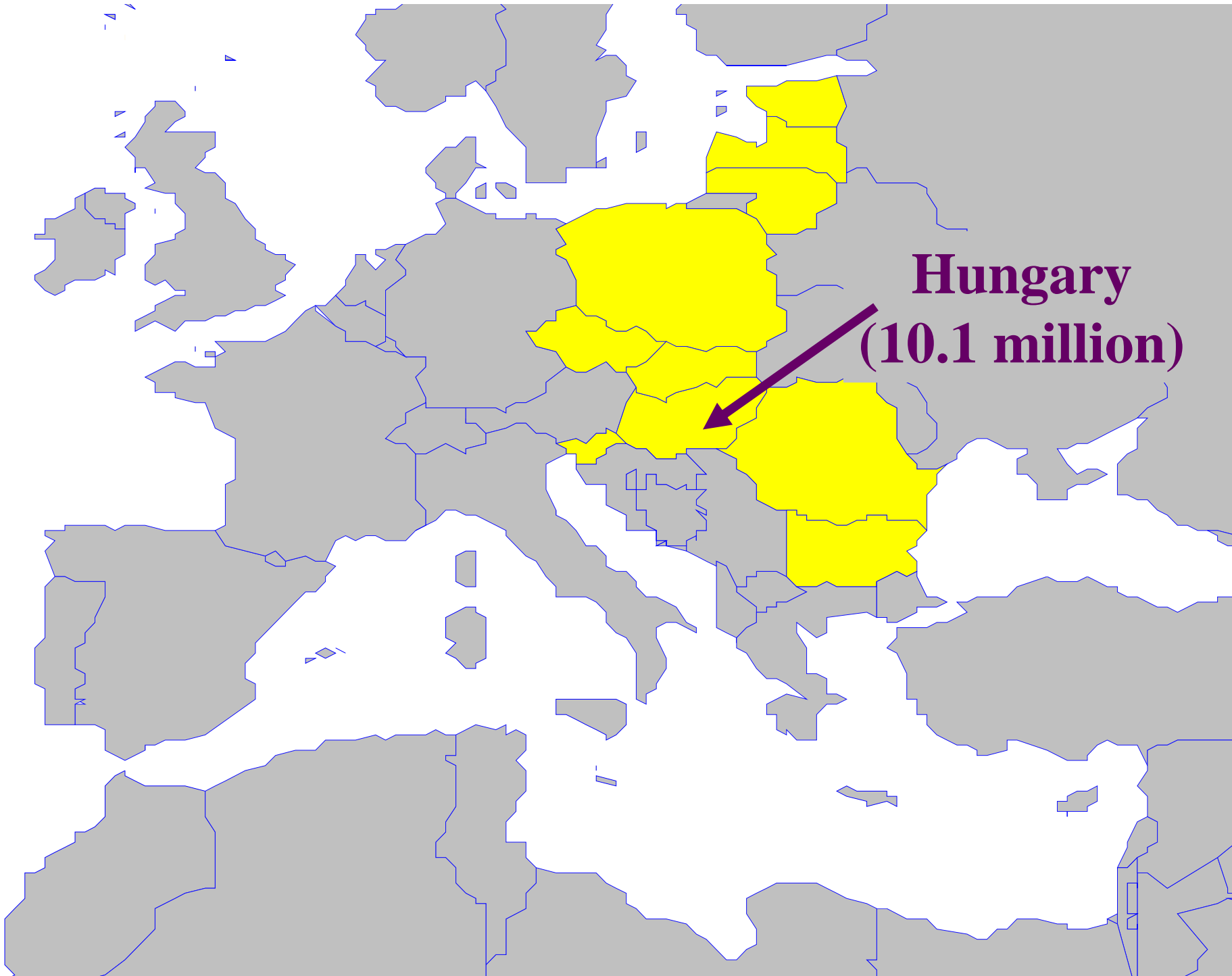
**Czech Rep.  
(10.2 million)**



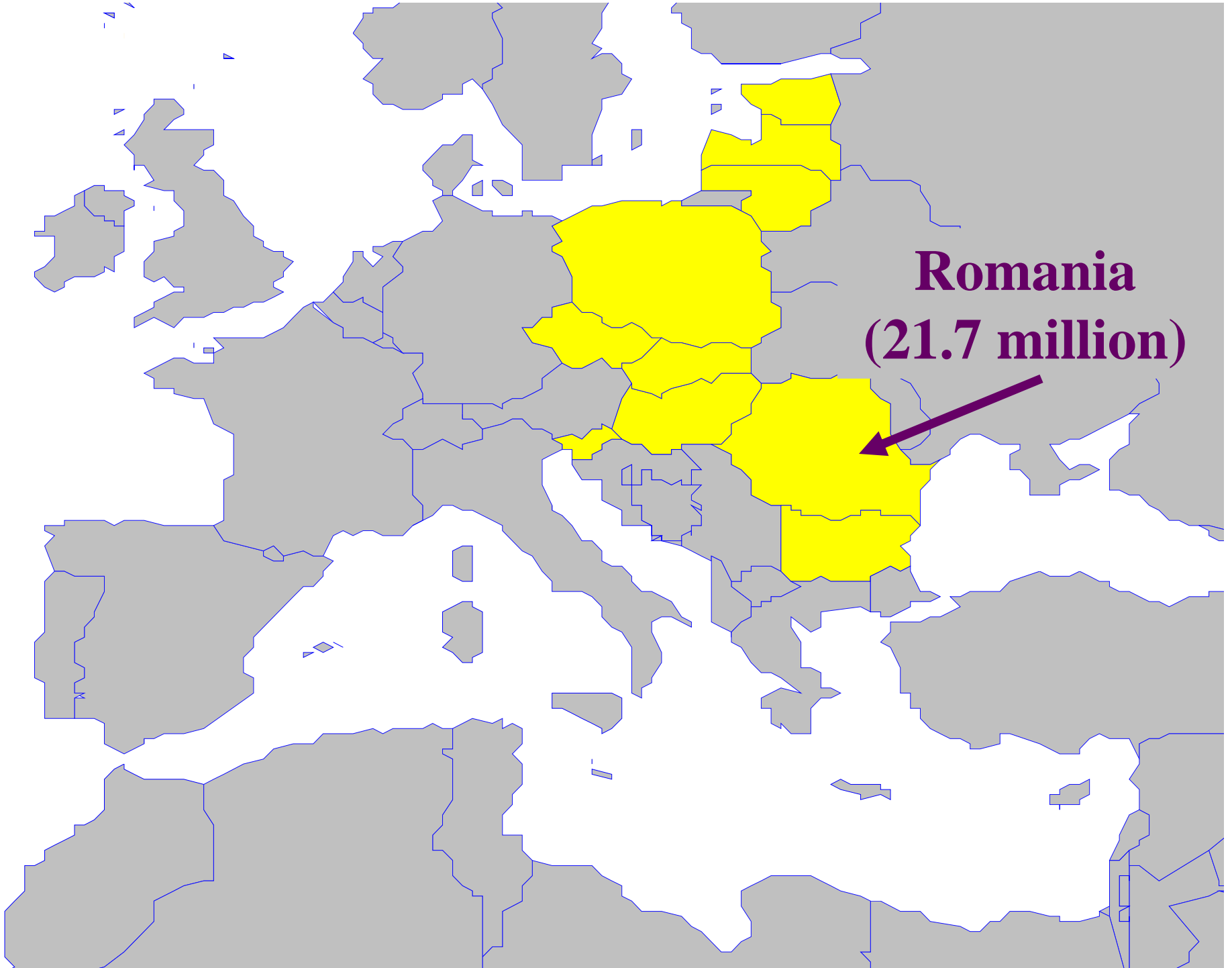
**Slovakia**  
**(5.4 million)**



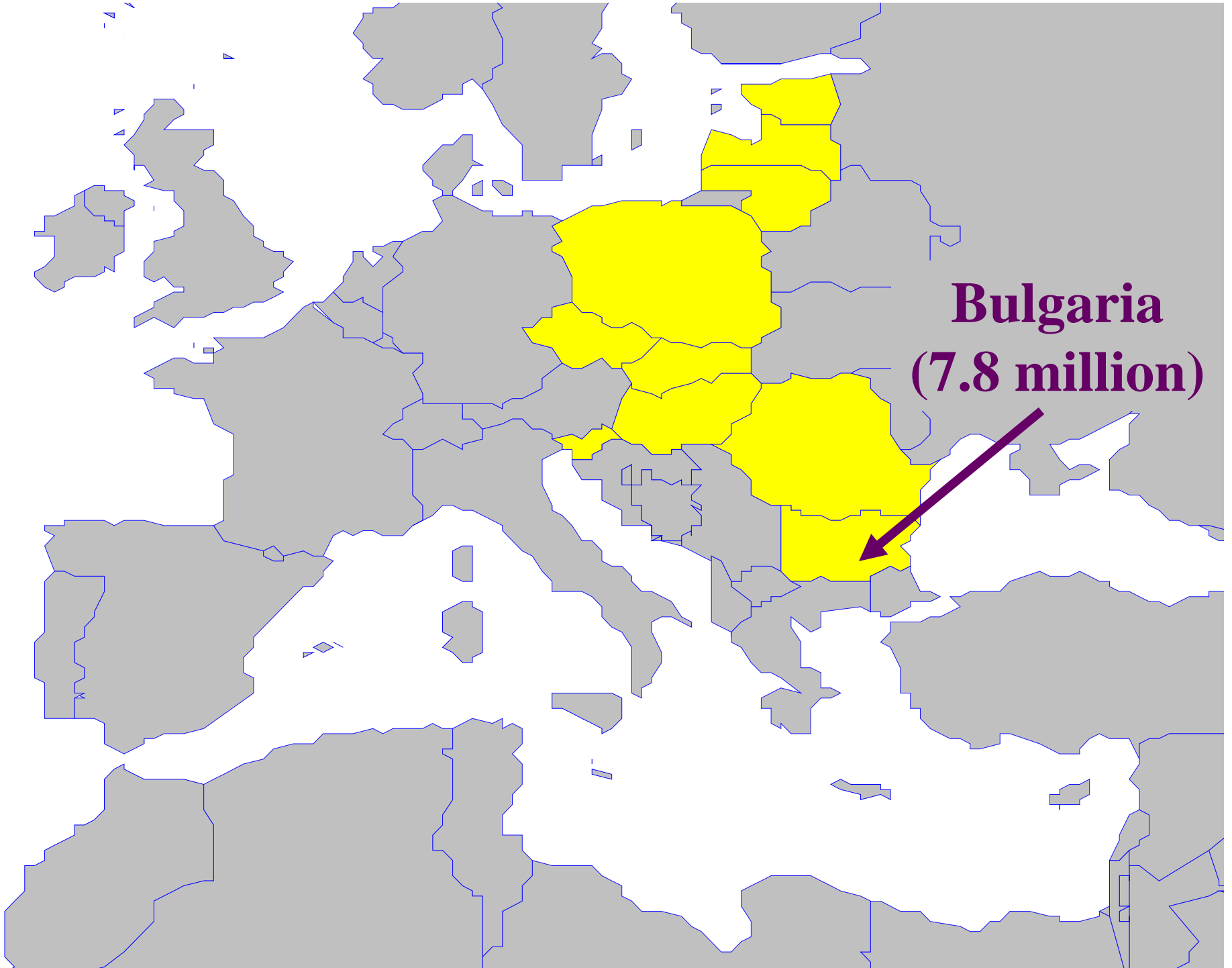
**Slovenia**  
**(2.0 million)**



**Hungary**  
**(10.1 million)**



**Romania**  
**(21.7 million)**



**Bulgaria**  
**(7.8 million)**

## Overview – Financing Health Care

- Economic and Epidemiological Trends
- Levels and Sources for Financing Health Care
- Provider Payment Mechanisms
- The Importance of Information Systems
- Pharmaceuticals
- Medical Devices

## Overview – Coverage

- Social Health Insurance
- Benefits Packages
- Demand-Side Incentives
- Private Insurance

## Overview – Health Care Provision

- Rationalizing Levels of Care
- Improving Hospital Management
- The Role of Competition and the Private Sector
- Quality of Care

## Overview – Additional Topics

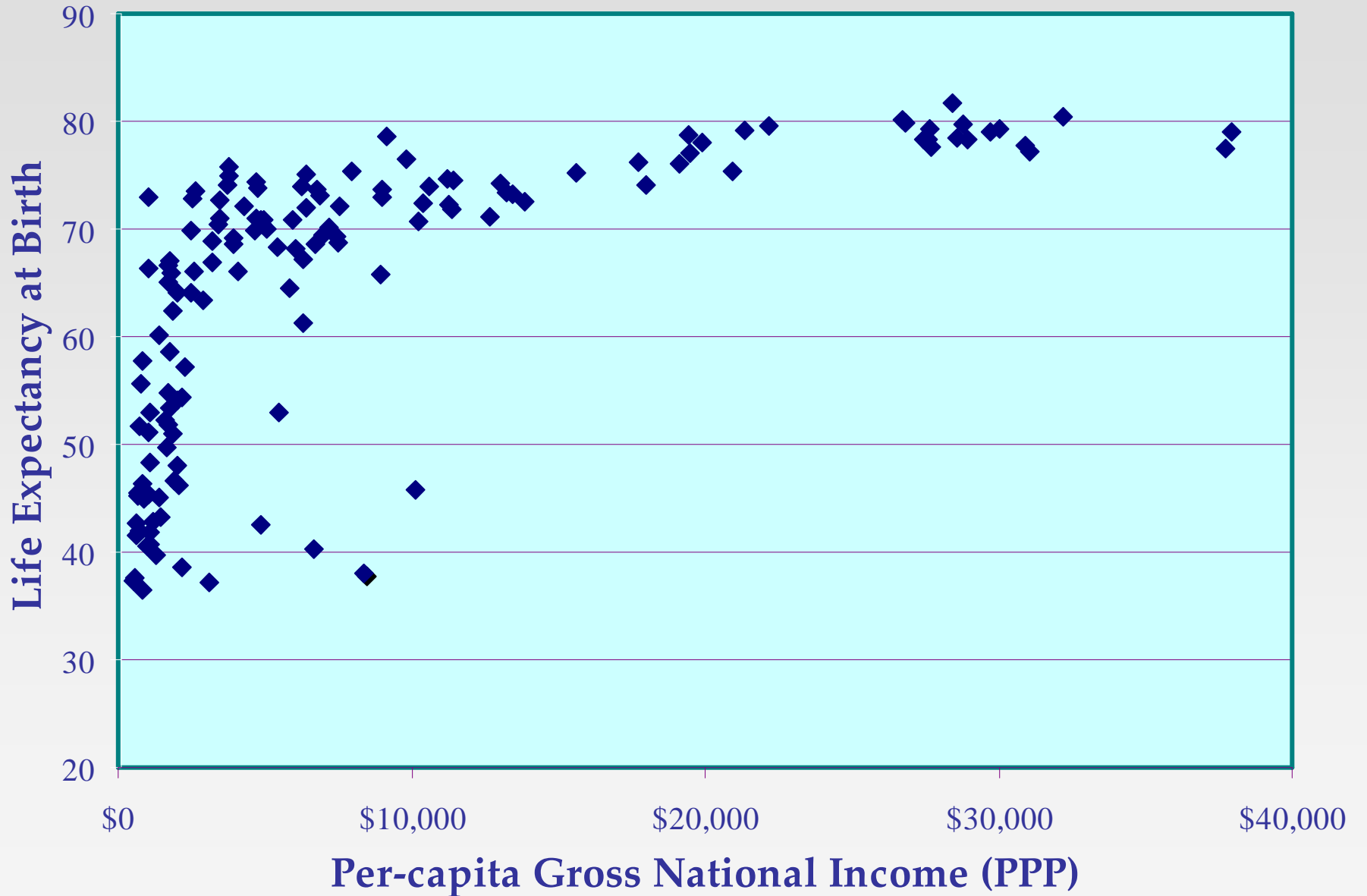
- Human Resources
- Regional Collaboration



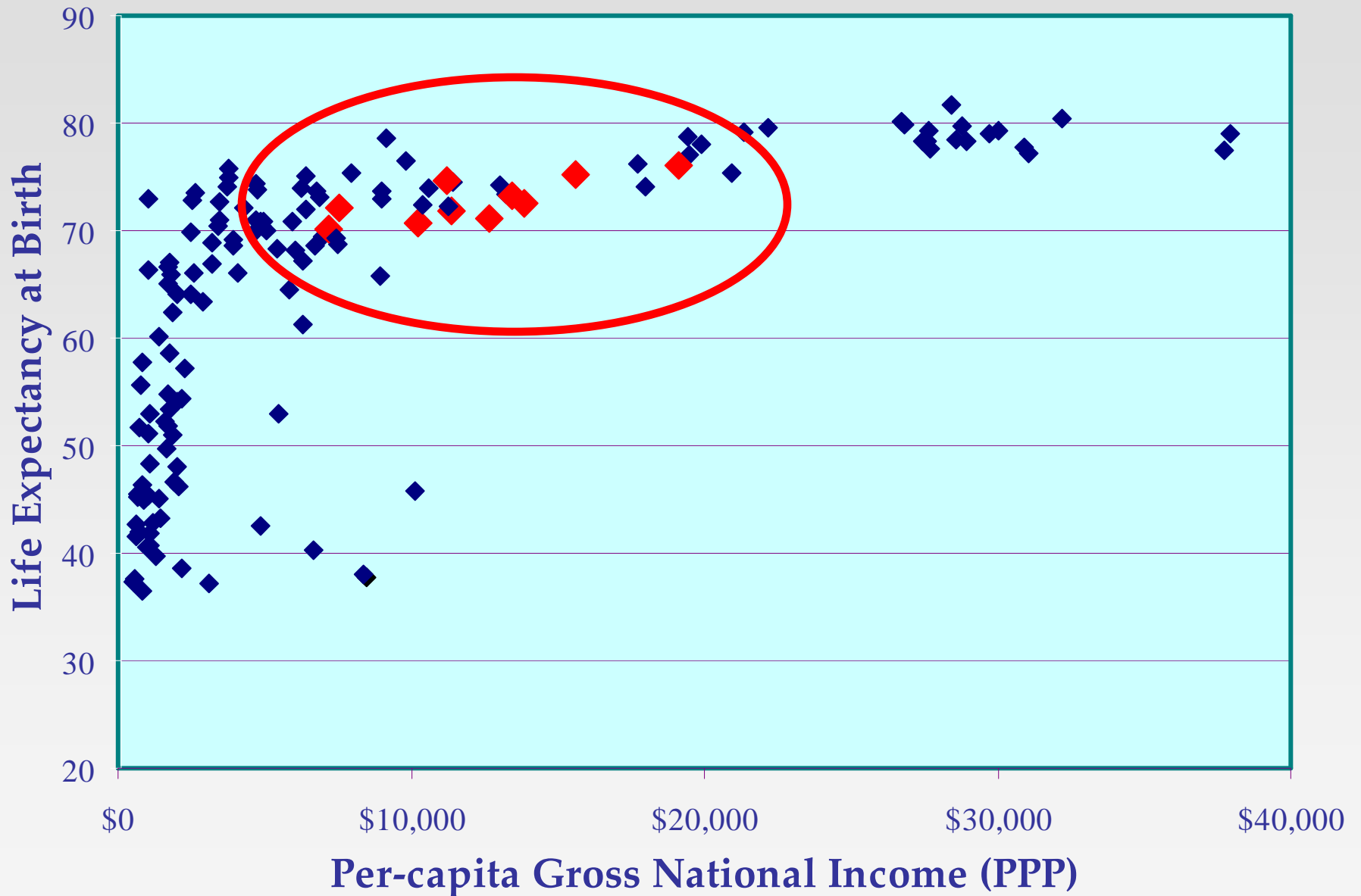
# **Demographic, Epidemiologic and Economic Challenges in Financing Health Care**



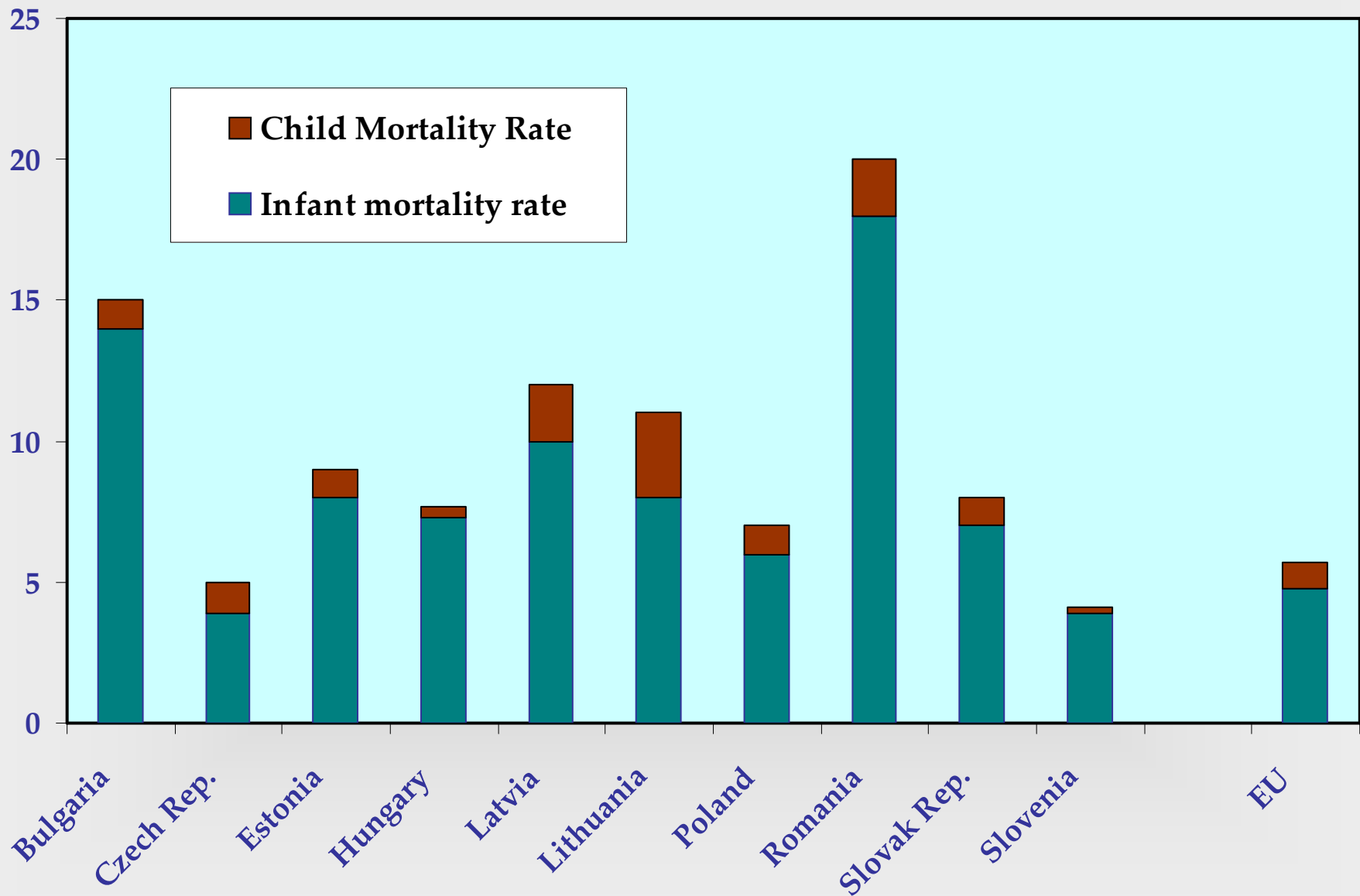
# Per Capita Income and Life Expectancy, 2003



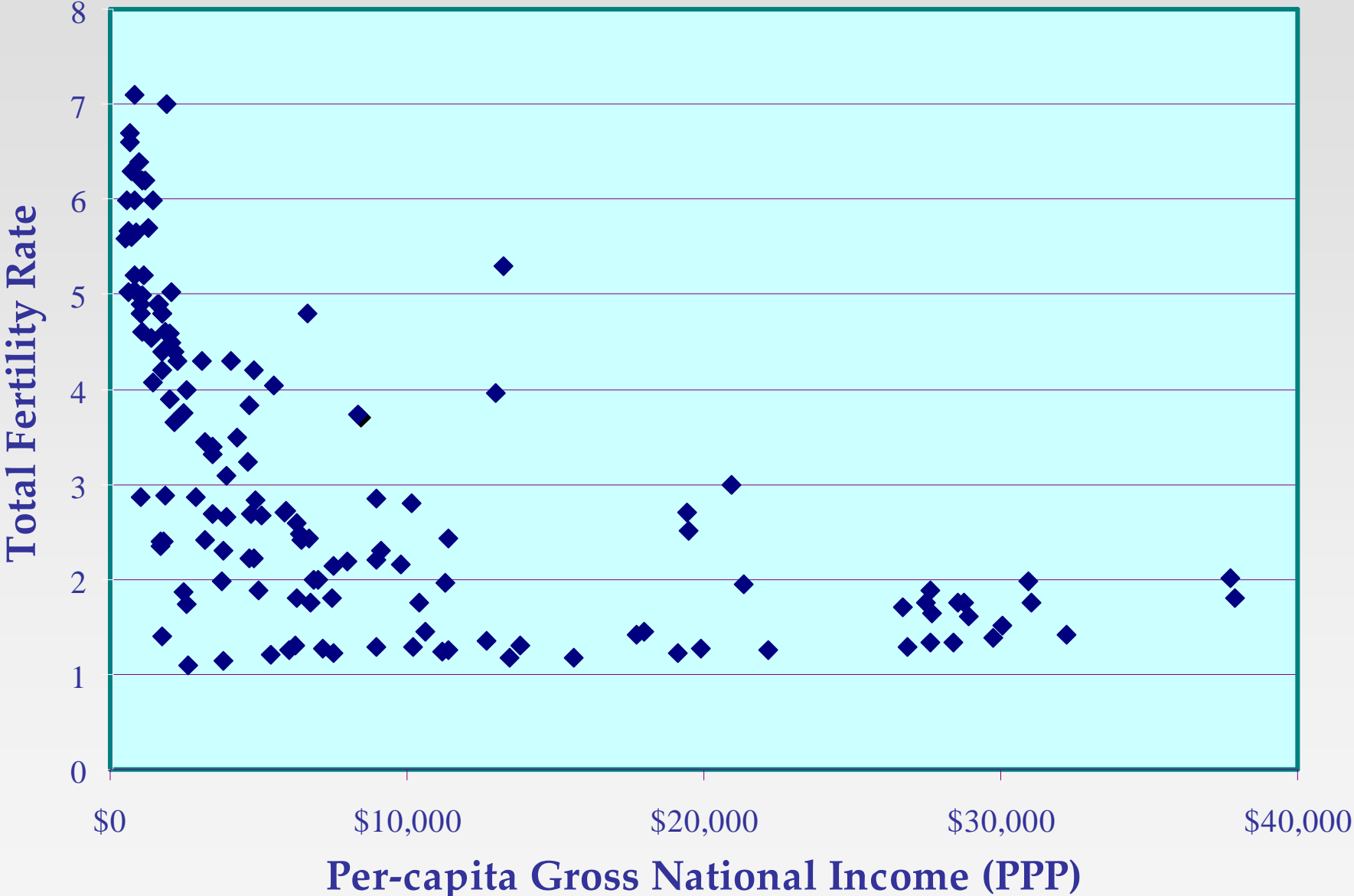
# Per Capita Income and Life Expectancy, 2003



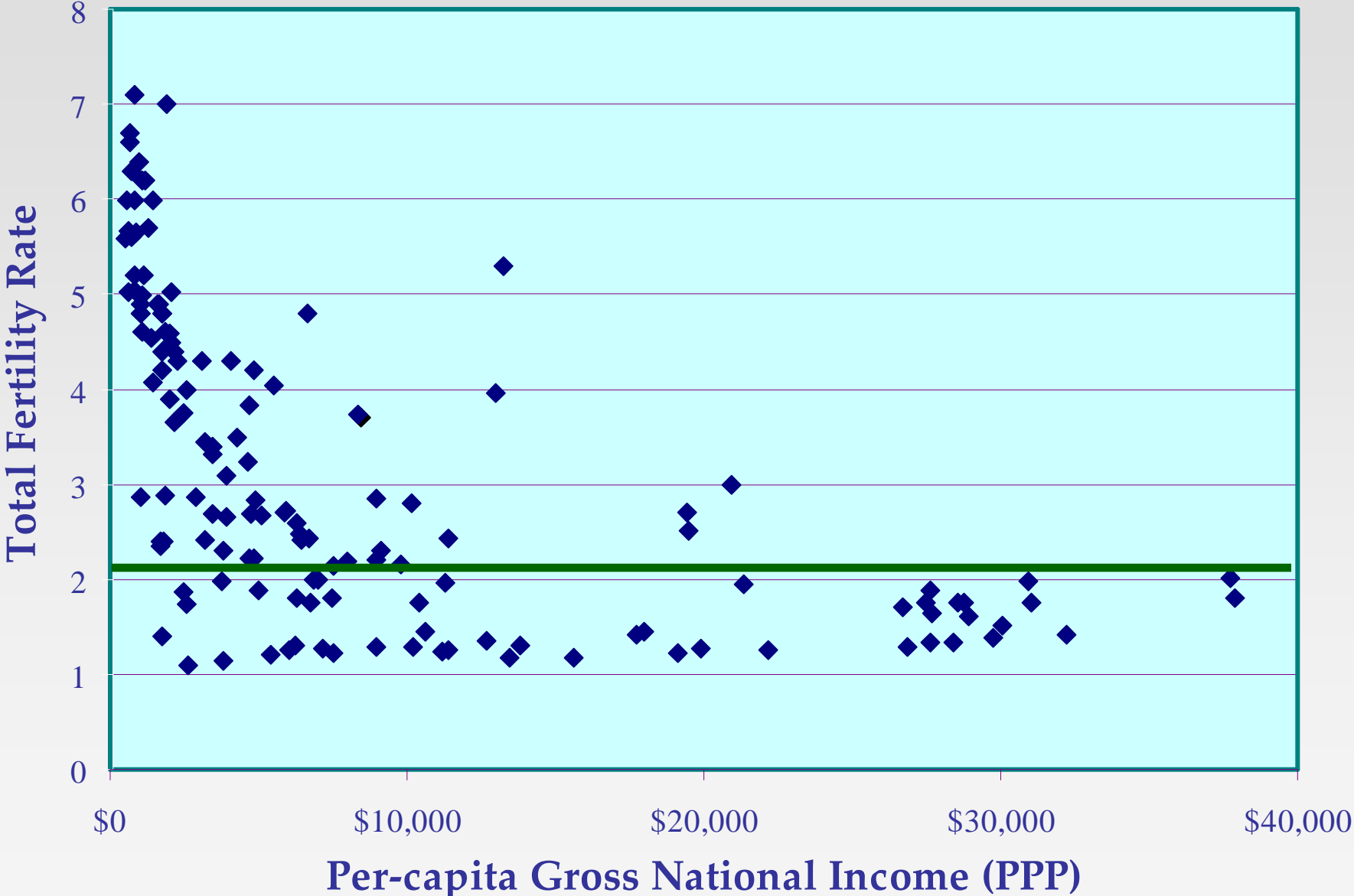
# Infant and Child Mortality Rates per 1,000 births, 2003



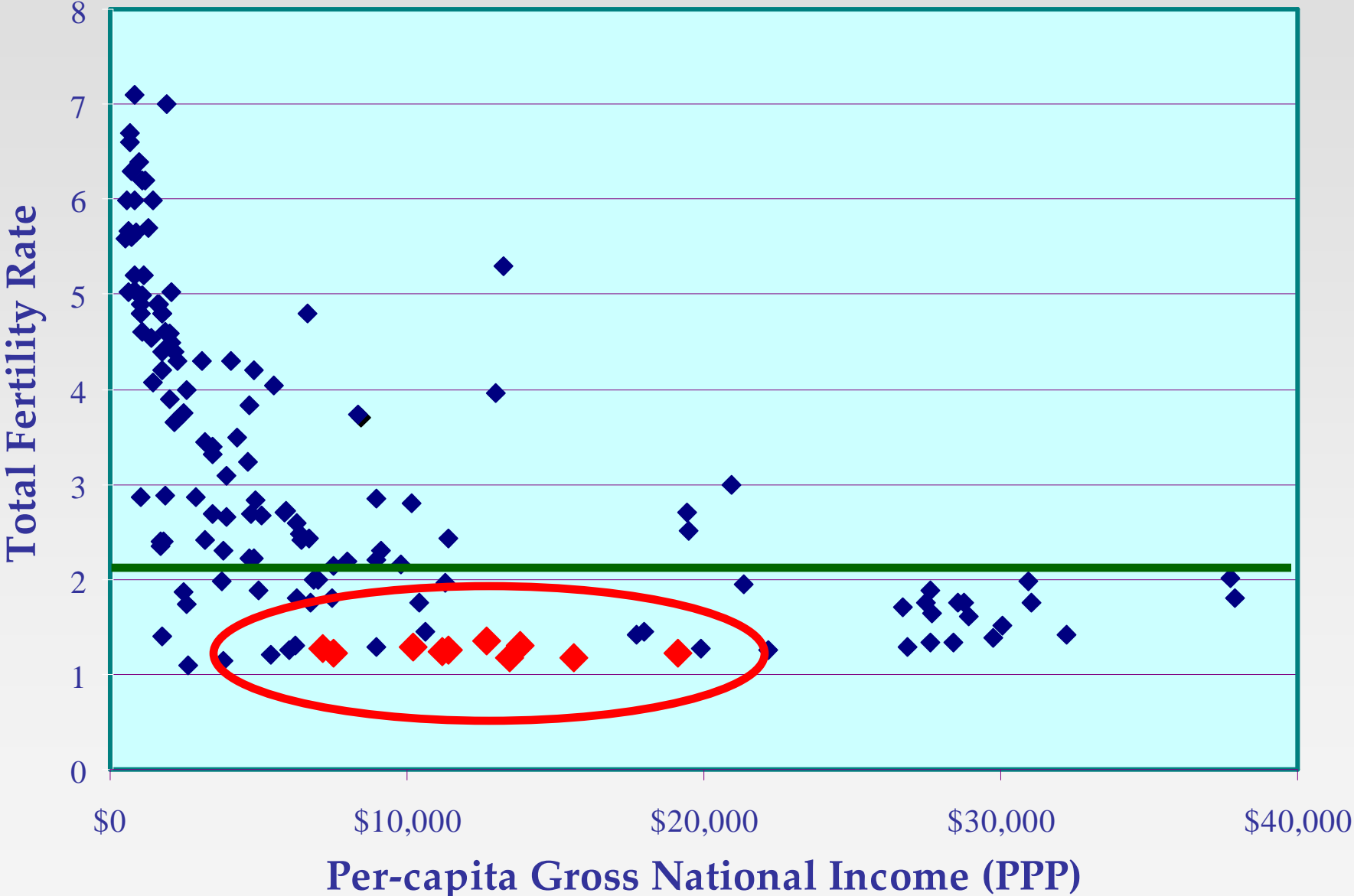
# Per Capita Income and Total Fertility Rate, 2003



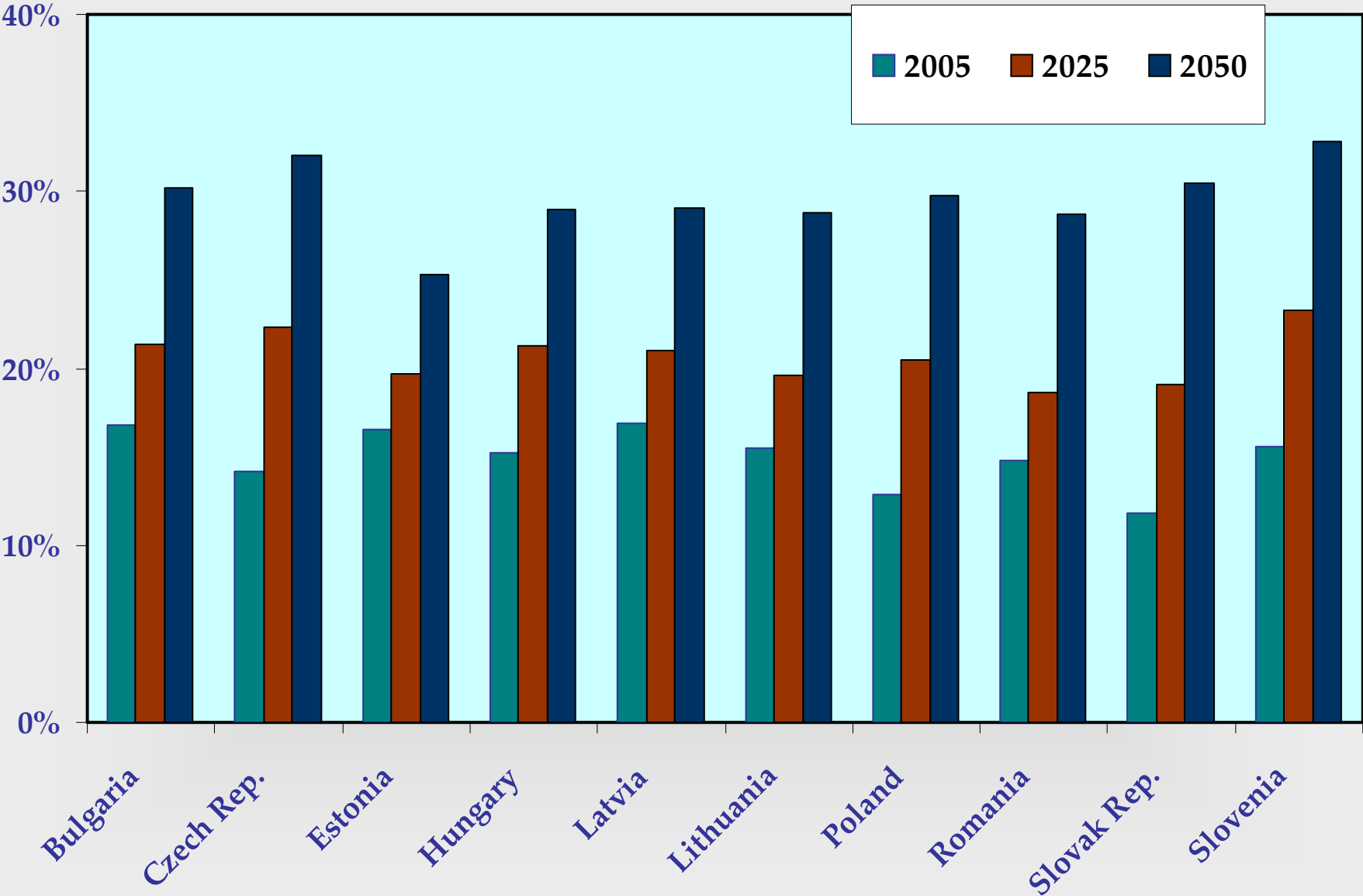
# Per Capita Income and Total Fertility Rate, 2003



# Per Capita Income and Total Fertility Rate, 2003



# Percentage of Population Ages 65+





# Conclusion



## Rising Expectations

We can expect pressure for health care expenditures to increase in Central and Eastern Europe, because of:

- Aging populations;
- Economic growth;
- Increased migration and communication with the rest of Europe;
- The availability of new medical technologies.

## Agenda

- How can existing financing for health be spent efficiently?
- How can countries effectively cover their populations and ensure access to appropriate medical care without breaking their budgets?
- Where will new funds for health care come from?