

Post-industrial Food Security

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Agri-foods 'Production Paradigm'

increase production at nearly any cost to end hunger;
the singular goal and driving ethic of modern agriculture

R. Zimdahl, 2006



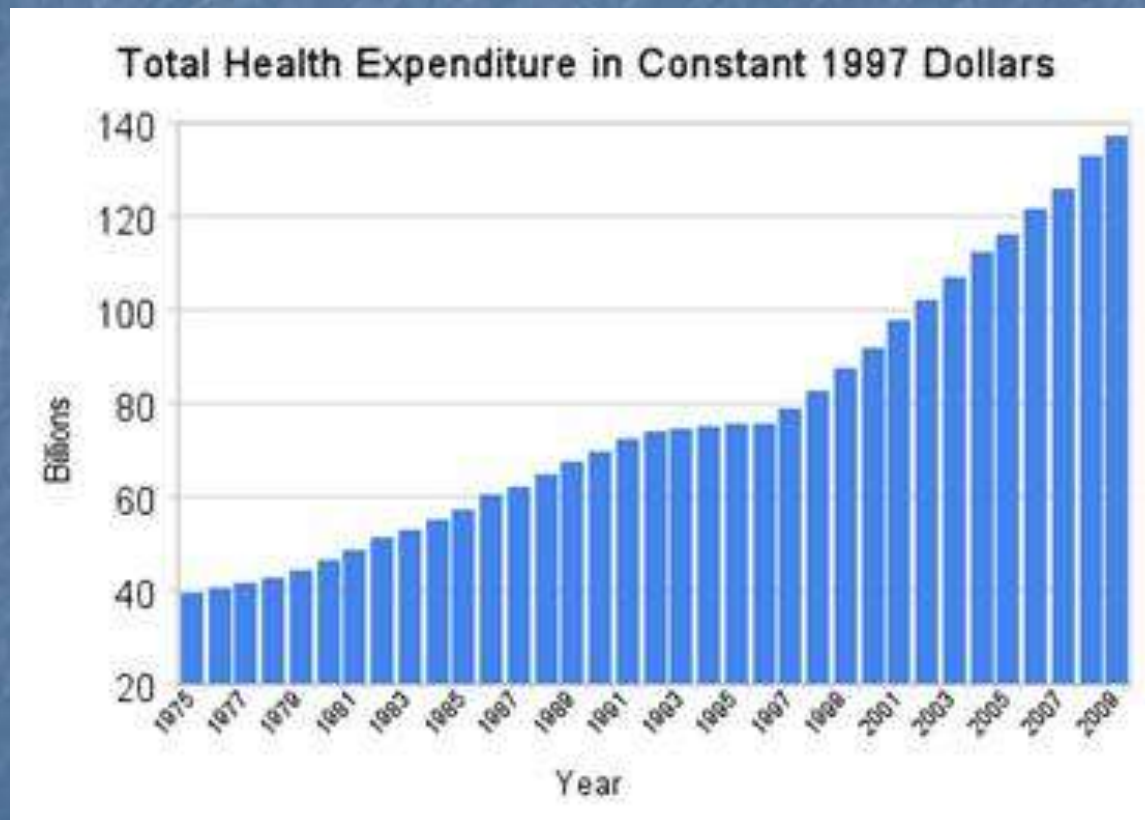
The outcome in a nutshell

- Feeding more people than ever before
- Enough grains, fruits, vegetables and meat for >3,200 calories daily/ person
- 1.2 billion people food insecure
- 1 million children starve to death annually
- 1.5 billion are overfed

'Western diseases' mostly food related

Childhood onset diabetes and obesity are epidemic; our children may be the first generation with a life span shorter than their parents

K. Clancy
Union of Concerned Scientists
2003



Canada's health care expenditures

Canadian Institute for Health Information

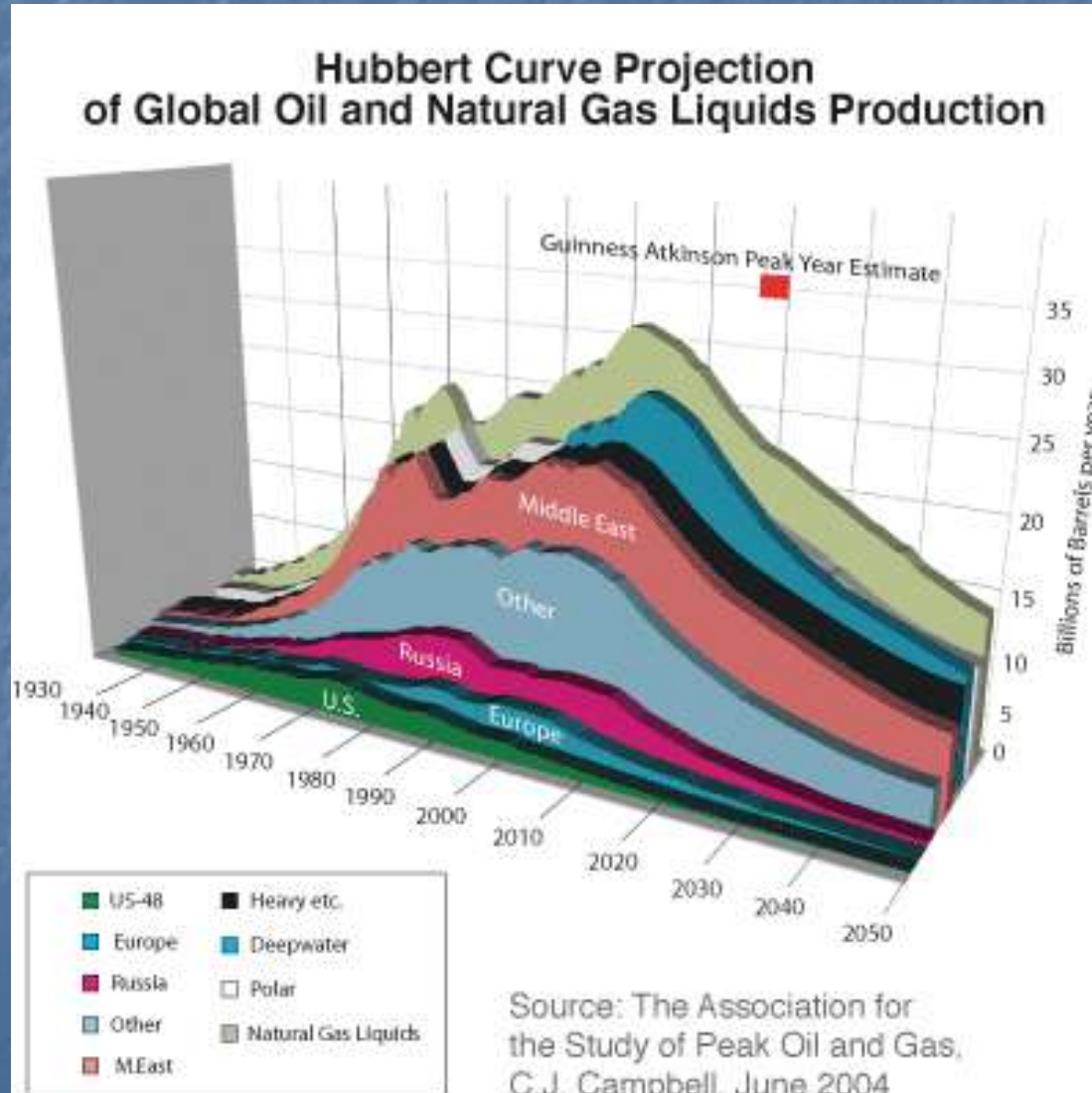
Resource, socio-economic, and environmental threats to food security

- Global climate change, lack of system resilience
- Global fresh water depletion and shortages
- Arable land destruction and loss
- Increasing demand for animal protein
- Loss of agro-ecosystem management knowledge
- Lack of business model and economic strategy diversity
- Peak oil and agri-foods negative EROEI

'...end of the global agri-food system...resurgence of local agriculture, bottling, canning, processing eminent'

M. Simmons, 2006

Global Oil Depletion and Implications for the Pacific Northwest



Agri-Foods Challenge and Opportunity

Substantial re-regionalization of agri-food to
compliment the trans-national system

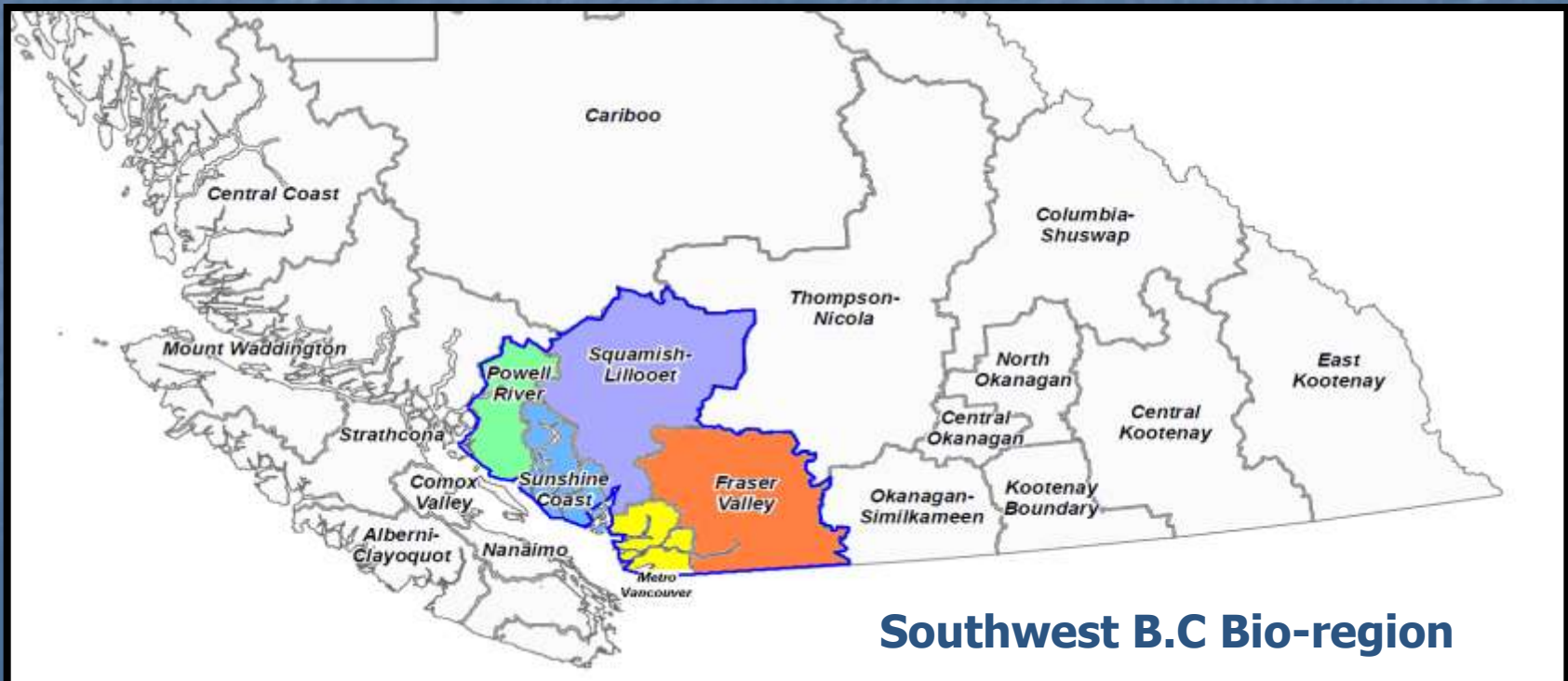


Regional agri-food systems- maximize supply predicated on ecology and environmental capacity of place

- Production
- Processing/ storage
- Distribution
- Sales
- Waste and nutrient cycling
- Energy and input reduction
- Environmentally sound

A 21st century food security vision

A global network of regional
agri-food systems



Our food system is the foundation of our sustainability



Image by
Michael Marrapese

No sustainable food system, no sustainable humanity