



## SymBio - Developing Organic Food Businesses





# The Goal

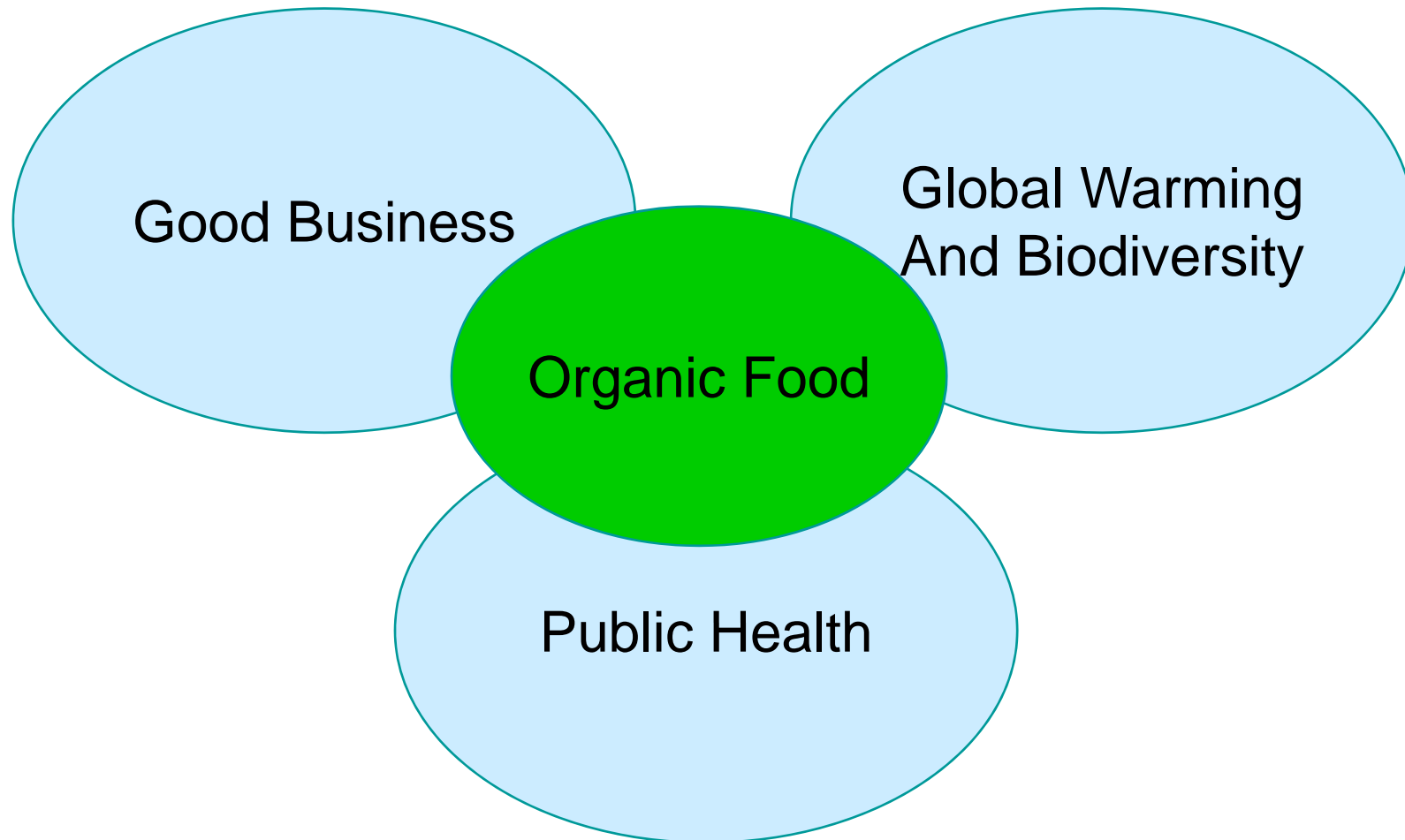
## Feeding a growing world without breaking the “ecological bank”.

QuickTime™ and a  
TIFF (Uncompressed) decompressor  
are needed to see this picture.



## Organic Agriculture - the Common Denominator

Organic food lies at the intersection of growing markets, global warming mitigations and food security.





# Nutritionally Superior - Organic Yields of Key Nutrients higher in Organic Foods

- Organic Foods have on *average* 25% more of the all-important protective phytonutrients like polyphenols and antioxidant pigments.
- Conventional Foods are better at producing *more (but not better)* protein (thanks to Nitrogen) and sugars (phosphorous)





## Organic Center - No Free Lunch Chart on nutritional results

### Overview of Differences in the Nutrient Content in Organic and Conventional Foods in 191 Matched Pairs

Nutrient	Number of Matched Pairs	Number Organic Higher	Number Conventional Higher	Percent Organic Higher	Percent Conventional Higher
<b><u>Antioxidants</u></b>					
Total Phenolics	25	18	6	72%	24%
Total Antioxidant Capacity	8	7	1	88%	13%
Quercetin	15	13	1	87%	7%
Kaempferol	11	6	5	55%	45%
<b><u>Vitamins</u></b>					
Vitamin C/Ascorbic Acid	46	29	17	63%	37%
<i>B</i> -Carotene	8	4	4	50%	50%
<i>a</i> - Tocopherol (Vitamin E)	13	8	5	62%	38%
<b><u>Minerals</u></b>					
Phosphorus	32	20	10	63%	31%
Potassium	33	14	19	42%	58%
<b>Totals and Averages</b>	191	119	68	62%	36%



# Healthier Diet = Lower Health Cost

- Increasing intakes of polyphenols and antioxidants is a vita to improve public health, since daily intakes of antioxidants and polyphenols are less than one-half of recommended levels.
- The combination of low polyphenols and antioxidants with high sugar outputs are linked high Health Care Costs - as poor diet plays crucial role in diabetes, cancer and obesity

For more information see: Still No Free Lunch - from the Organic Center -  
<http://www.organic-center.org>



# Lada for Sale

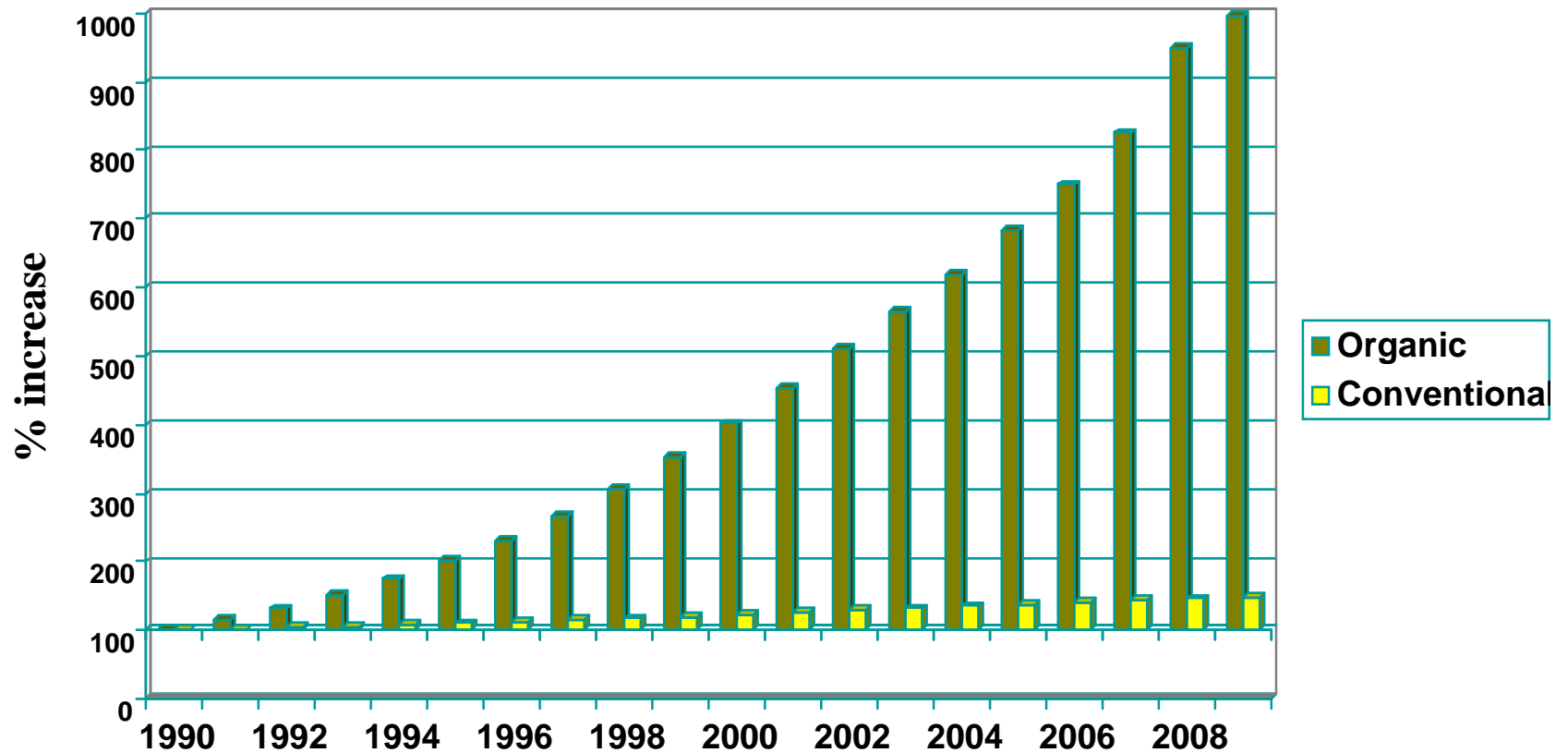
QuickTime™ and a  
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are needed to see this picture.

**Just € 100 per Kilogram!**



# Good Business

Comparing growth rates of the organic to the conventional food industry

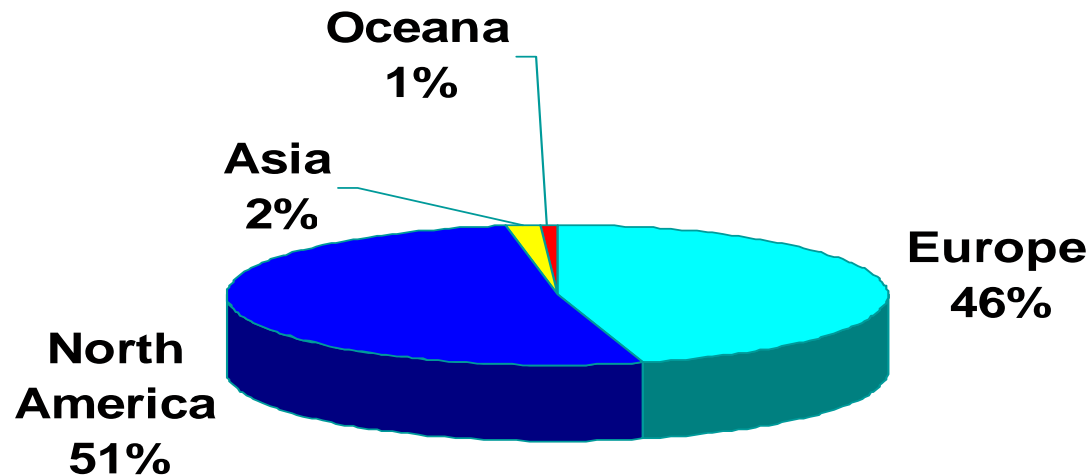






# TOTAL RETAIL SALES 2009

Retail sales of organic food worldwide reached @USD 50.0 billion in 2009 up from 27 billion in 2004.



Source: Organic Monitor, Organic Trade Association  
And Natural and Nutritional Products Center





# The Green Consumer - what's behind the growth?

- Education - more and more consumers are thinking and learning about diet and health as well as how their food is grown and processed
- Politically Motivated - once they learn about the link between food, health and the environment, they are very motivated to defend the “green” way
- This in turn is why they continue to spend on Green on Green products and services - even in hard economic times.



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## Earth Actions



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# SymBio Polska S. A.

A success story in producing organic food in  
Eastern Europe

- **Legal Form:** Publically Traded S. A. on Exchange NewConnect
- **Headquarters:** Lublin, Poland
- **Year Formed:** 1998





# Biodiversity Preservation and Global Warming

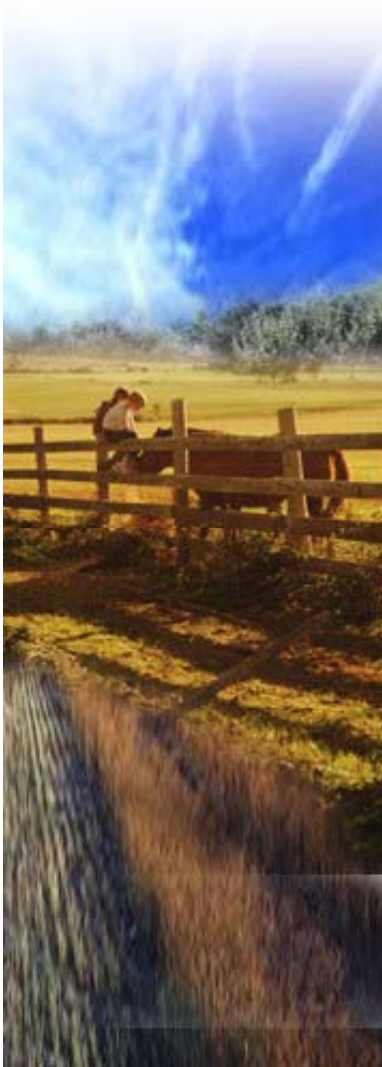
- The **Driving Motivation** behind Symbio is the preservation of biodiversity in and around Polish farms and producing foods to mitigate the impact on Global Warming.
- These objectives can best be reached by rapid expansion of land managed by organic methods. Rapid growth is achieved by efficiently meeting the demands of our farmers and our customers.





# Biodiversity Preservation

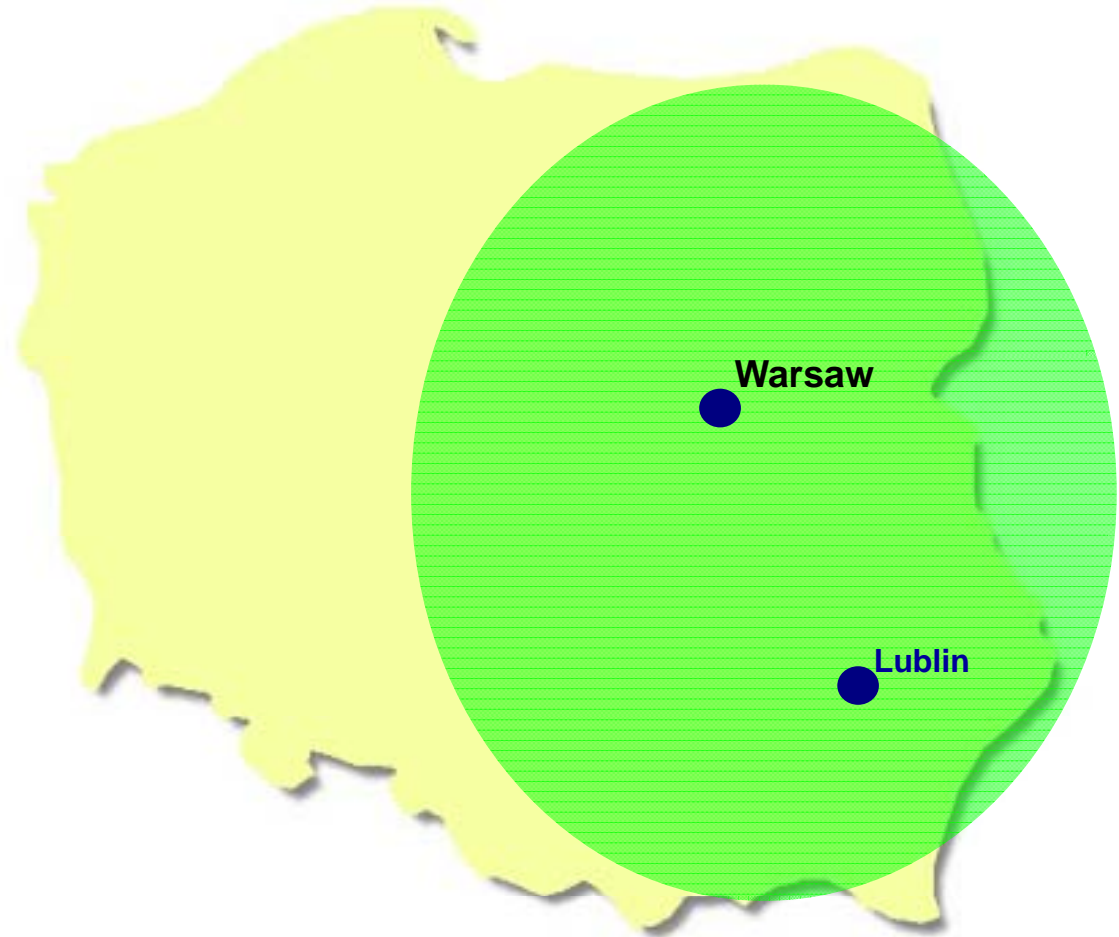
- Symbio's farms are concentrated in and around Poland's **National and Landscape Parks** in order to maximize the environmental benefits of Polish organic farming.
- Symbio is partially financed by and is working with the Global Environmental Facility Fund and International Finance Corporation - Environmental Projects Unit to develop a Poland-wide certification and management system for biodiversity preservation on and around Symbio's farms.





# Map of Farms

**Key Take Away: Symbio works with farms throughout eastern Poland.**





# Symbio Value Added

**Key Take away:** Symbio does just about everything except actually grow the products

