



# Impact of Sanctions on Russian Agriculture

*Derek P. Boudreau*



**JOHN DEERE**

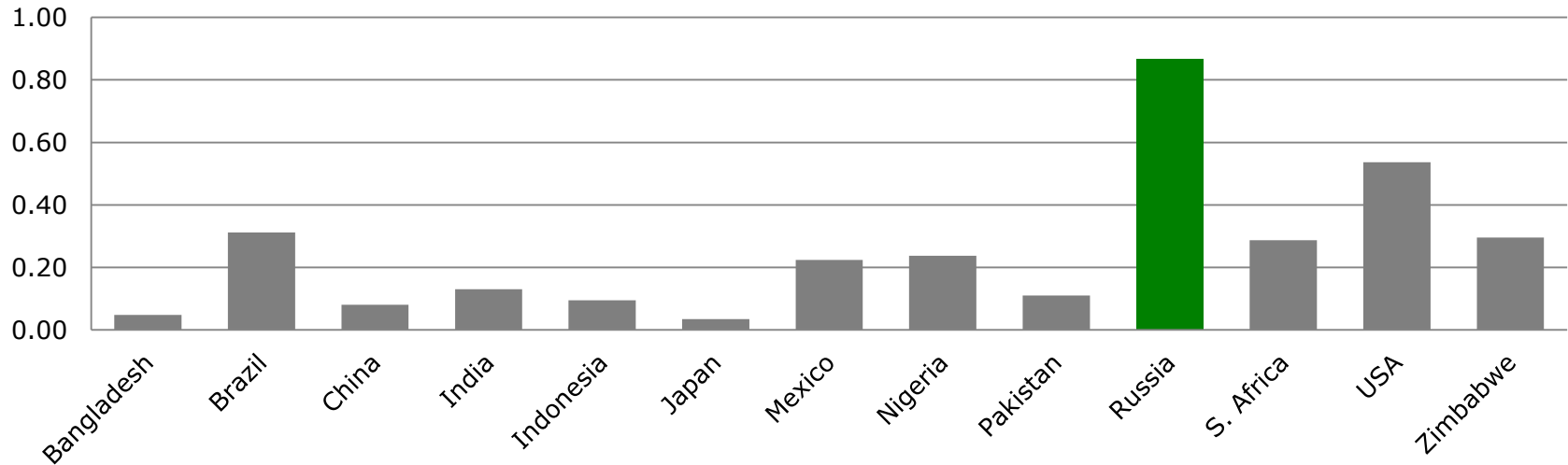
# Discussion Topics

Agricultural potential in Russia

Macro-economic Environment

Impact of sanctions (+/-)

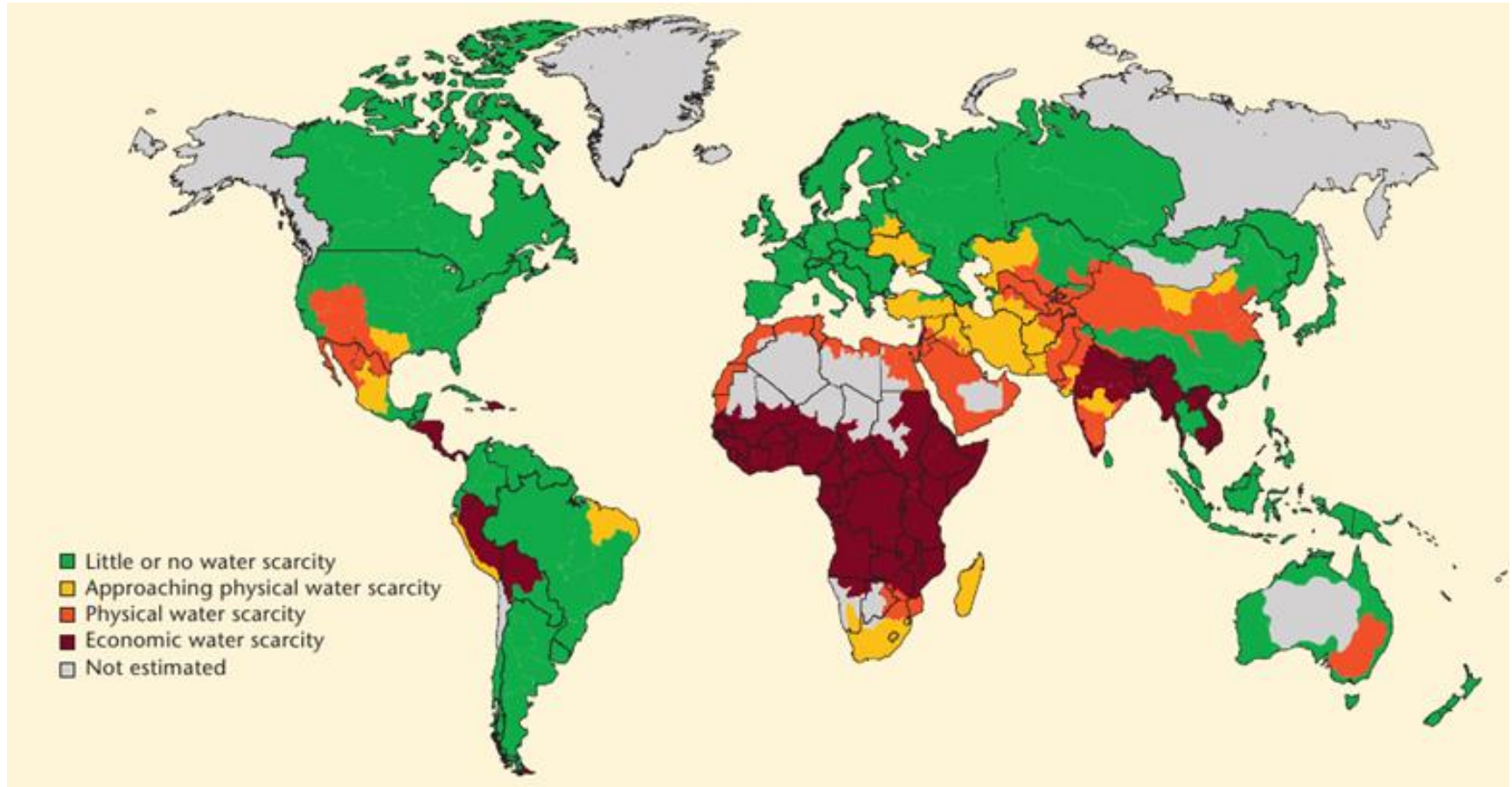
# Disproportionate Arable Land per Capita



9% of world's arable land  
2% of world population

Sources: FAO Stat Book, 2010  
Foreign Ag Service (USDA), retrieved January 2013

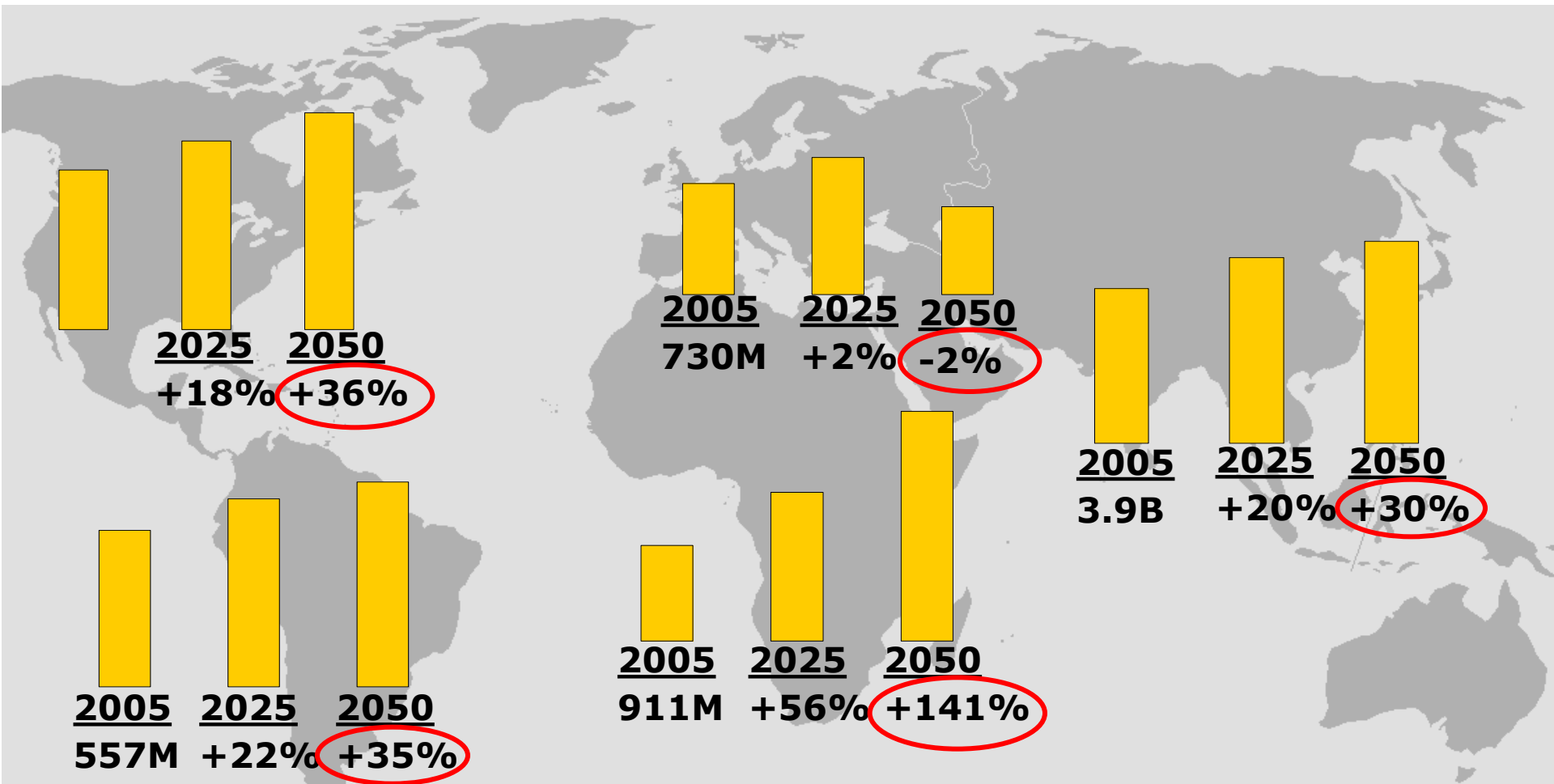
# Adequate Water Supply



Source: Business Insider, March 2011

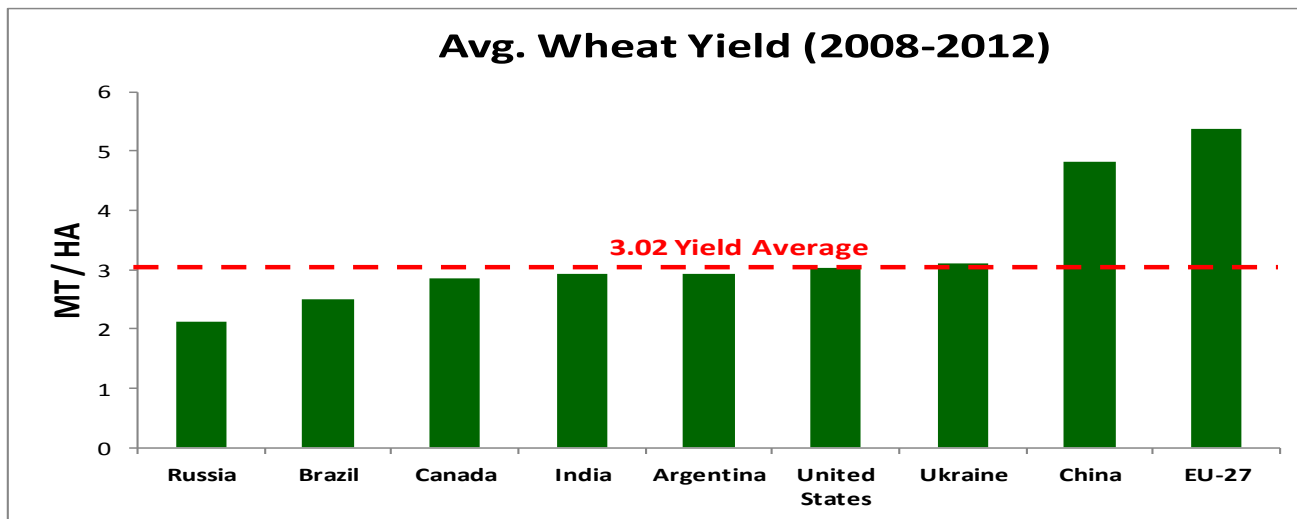
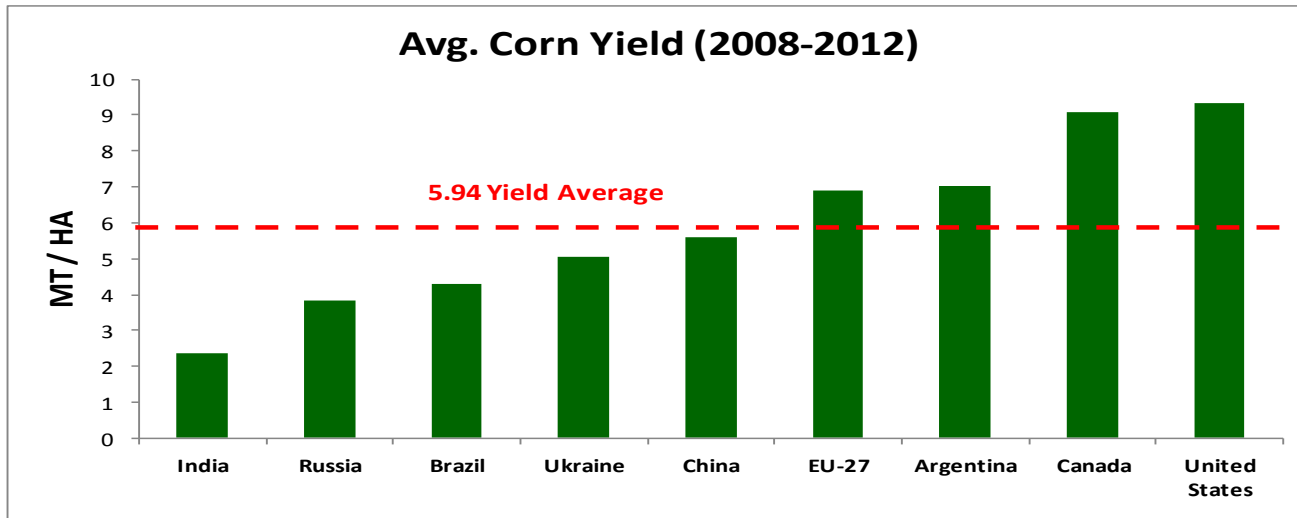
# Uneven Distribution of Global Population Growth

*Favors existing Russian trading partners*



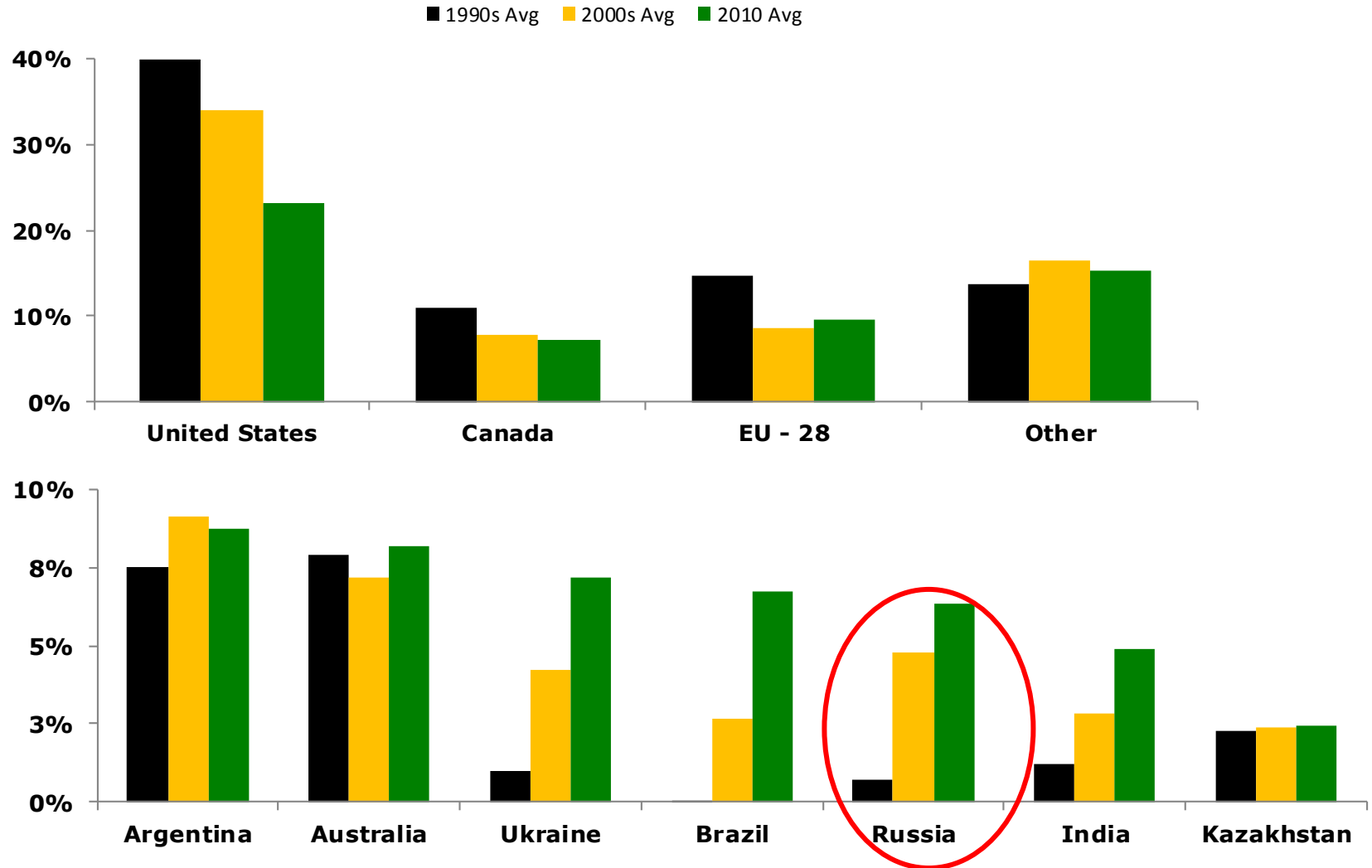
Source: United Nations, World Population Prospects 2010 Revision

# Significant yield potential to be realized



Source: Foreign Ag Service (USDA), Data retrieved January 2013; Weighted Yield Average of above countries

# Major Grain Exporter Market Shares Shifting



Source: Foreign Agricultural Service, Official USDA Estimates , October 2014

# U.S. Corn Supply and Use

	2012 (MT)	2013 (MT)	Share of World 2013 (%)	2014F (MT)	Share of World 2014 (%)
Global Grain Production	2,267,220	2,470,027		2,468,978	
Russia	67,062	88,434	3.6	100,175	↑ 4.1
Ukraine	45,391	62,290	2.5	60,390	↓ 2.4
Global Wheat Production	658,315	715,133		721,115	
Russia	37,720	52,091	7.3	59,000	↑ 8.2
Ukraine	15,761	22,278	3.1	24,500	↑ 3.4
Global Corn Production	868,606	988,566		990,692	
Russia	8,213	11,635	1.2	12,000	↔ 1.2
Ukraine	20,922	30,900	3.1	25,000	↓ 2.5
Global Wheat Exports	137,361	166,181		156,019	
Russia	11,289	18,534	11.2	22,500	↑ 14.4
Ukraine	7,190	9,755	5.9	10,000	↑ 6.4
Global Corn Exports	95,156	129,029		114,092	
Russia	1,917	4,100	3.2	3,000	↓ 2.6
Ukraine	12,726	20,000	15.5	16,000	↓ 14.0

Source: USDA/WASDE, Oct 2014



# Reforms required to realize Agricultural Potential

Mechanization supporting increased productivity

Logistics infrastructure

Optimized seed genetics

Development of regional Research Institutes

# Discussion Topics

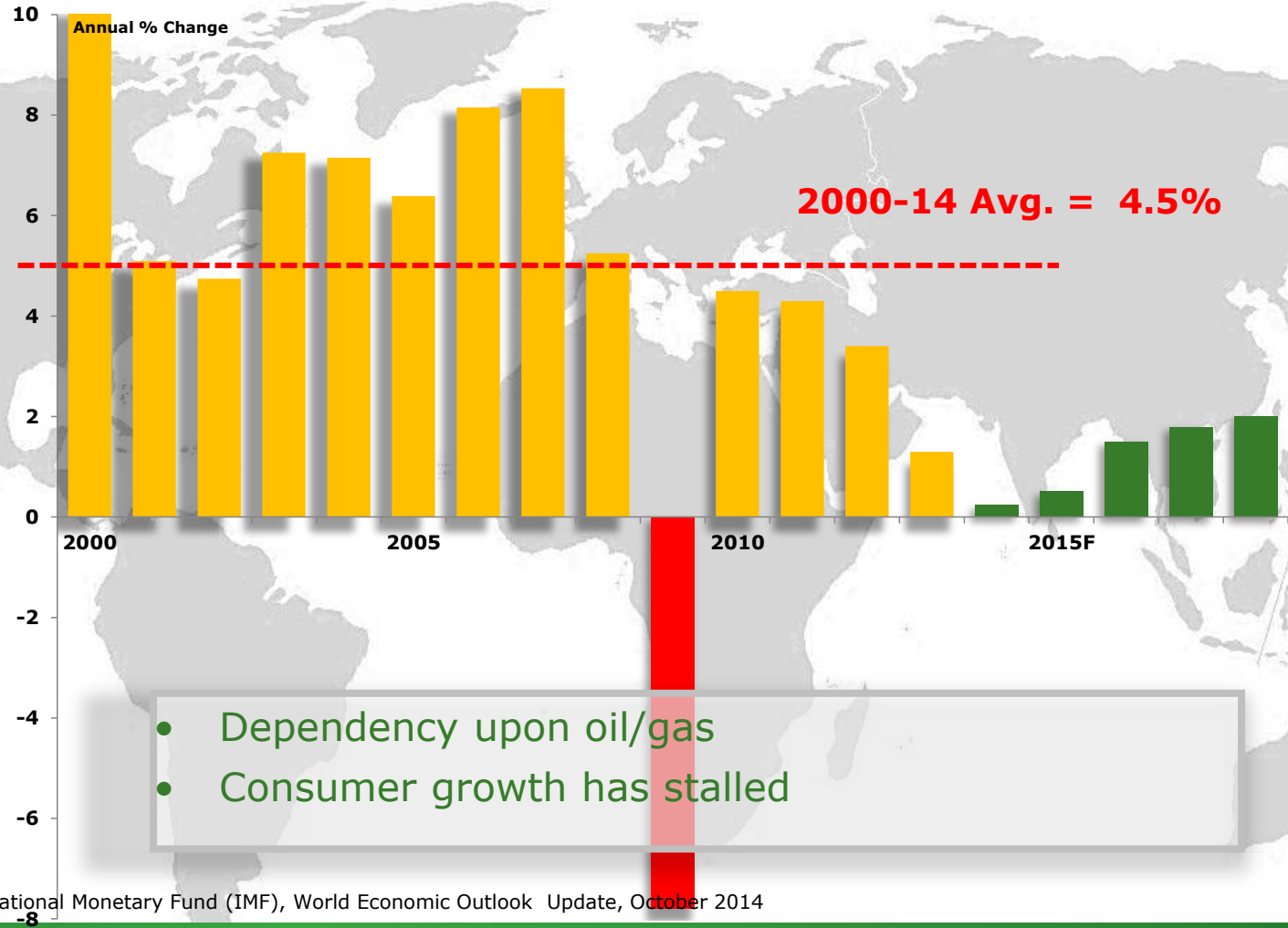
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# Russia

## GDP Growth



Source: International Monetary Fund (IMF), World Economic Outlook Update, October 2014

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# Russian Sanctions Overview

## **Specially Designated Nationals (SDN)**

- Prohibit legal entities & persons from all transactions with SDN

## **Sectoral Sanctions Identification (SSI):**

- Prohibit legal entities & persons from financing new debt or equity

## **Russia restricts EU, USA, Canada, Norway and Australia imports**

- Beef, pork, poultry, fish, sausage, cheese, milk, vegetables & fruit

# Impact of Sanctions

## Positive

- + Russian Ag commodity prices
- + Ruble depreciation
- + Agricultural self-sufficiency

## Negative

- Cost of capital
- Access to credit
- Uncertainty

*“The weakened ruble should help import substitution efforts so that Russia can domestically produce affordable medicines and food within three to five years.”*

# Agricultural Operations in Russia

## Family Farms

200 – 3,000 Ha

Local producers

Typical history:  
Family farm

## Corporate Farms

3000 – 30,000 Ha

Regional grain suppliers

Grain exporters

Typical history:  
**Collective farm**

## Agro Holdings

> 30,000 Hectares

Vertically integrated

Diversified

Typical history:  
Investors from outside Ag

# Summary

Agricultural potential as global grain exporter

Agricultural reforms to realize full potential

Sanctions heighten urgency for self-sufficiency

Sanctions impact Russia's global competitiveness





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