



*Promoting Seed
Business in
the Americas*

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Global trends: an economic view

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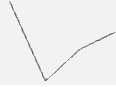
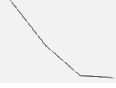
ROAD MAP

- Short-run trends: growth and trade
- Long-run trends
- Creating a sustainable future

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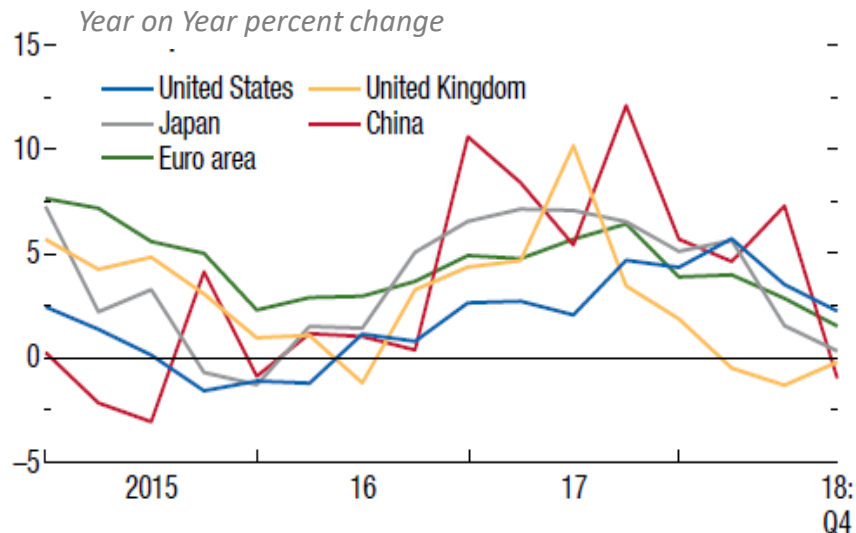
Global growth remains weak

	2000-08	2009-2018	2019	2020	
World	4.3	3.8	3.3	3.6	
Advanced economies	2.4	1.5	1.8	1.7	
USA	2.4	1.8	2.3	1.9	
Euro area	2.0	0.8	1.3	1.5	
Latin America and the Caribbean	3.6	1.8	1.4	2.4	
Emerging and developing Asia	8.2	7.2	6.3	6.3	
China	10.4	7.9	6.3	6.1	

Source: IMF

Weak trade prospect

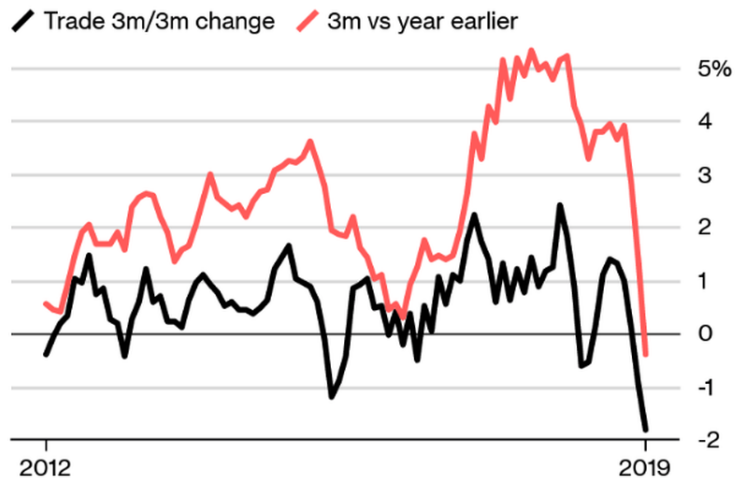
Real Exports



Source: IMF

Highs and Lows

Global trade growth has seen a sharp downturn in recent months



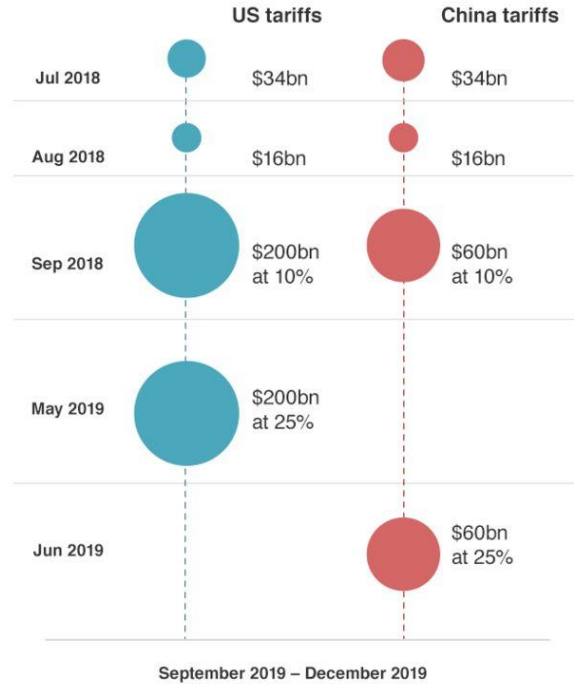
Source: CPB World Trade Monitor

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Bloomberg

Weak trade prospect

How the US-China trade war has escalated



The US and China have threatened to impose new tariffs and increase existing ones.

Source: BBC research

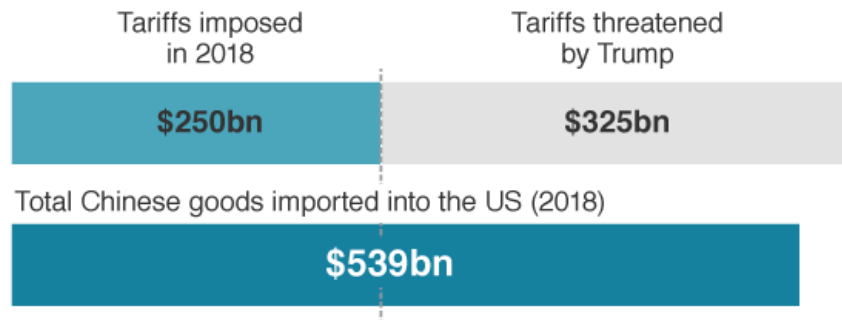
BBC



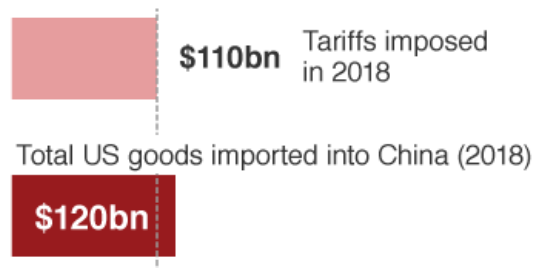
Weak trade prospect

How the trade war has played out

US tariffs on China



Chinese tariffs on US



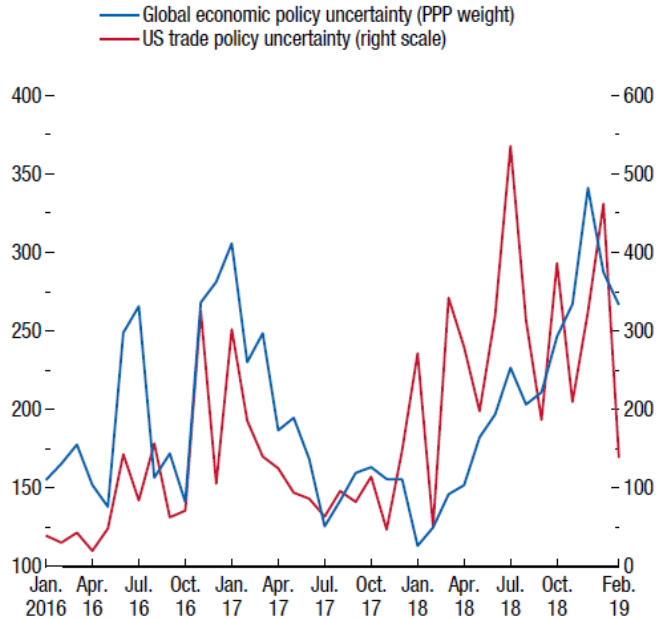
Source: US Census Bureau, BBC research. Note: Data as of 8 May 2019

BBC



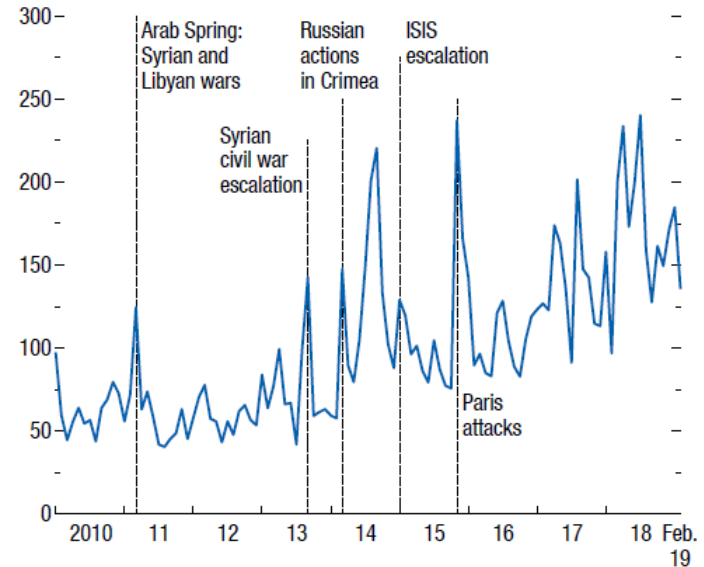
Policy uncertainty seems to be the 'new normal'

Policy Uncertainty and Trade Tensions



Note: The GEPU Index is a GDP-weighted average of national EPU indices for 16 countries that account for two-thirds of global output. Each national EPU index reflects the relative frequency of own-country newspaper articles that contain a trio of terms pertaining to the economy, uncertainty and policy-related matters.

Geopolitical Risk Index

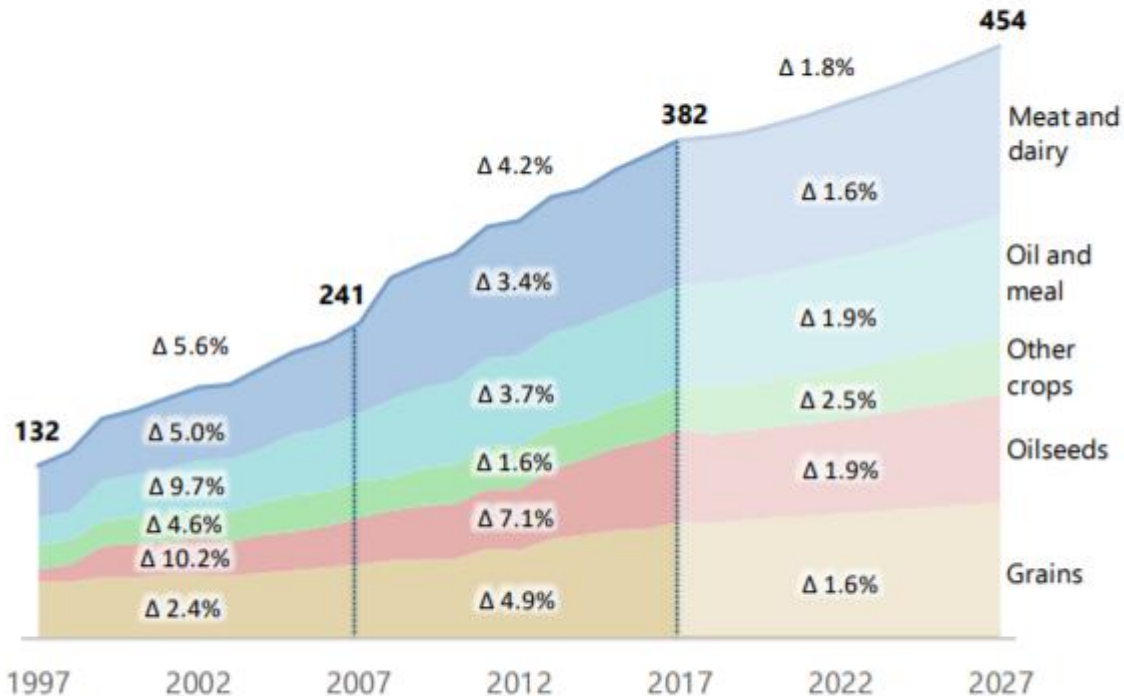


Note: ISIS = Islamic State. The Caldara and Iacoviello Geopolitical Risk index reflects automated text-search results of the electronic archives of 11 national and international newspapers. The index is calculated by counting the number of articles related to geopolitical risk in each newspaper for each month (as a share of the total number of news articles), and normalized to average a value of 100 in the 2000–09 decade.

But, What if we focus on the long-run trends



Chart 1: International Agroindustrial Trade
Billion USD at 2017 prices, and annual growth rate



Note: Percentages refer to the least-squares growth rate for each 10-year period.

Source: ERAMA 2027/2028.

Global trends. Three factors that are shaping the XXI century

**Global Middle
Class**

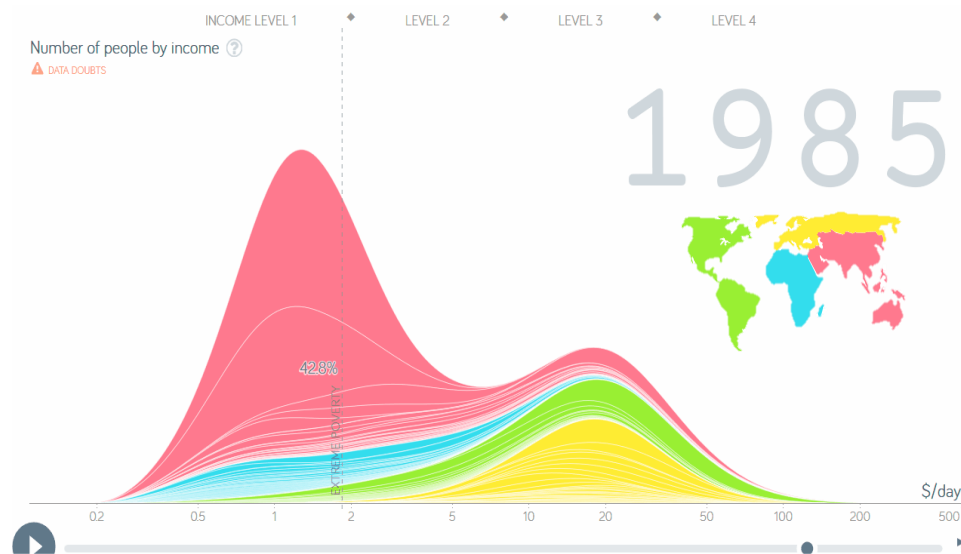
**Population
growth**

Climate change

RISE OF ASIAN ECONOMIES AND OF A GLOBAL MIDDLE CLASS

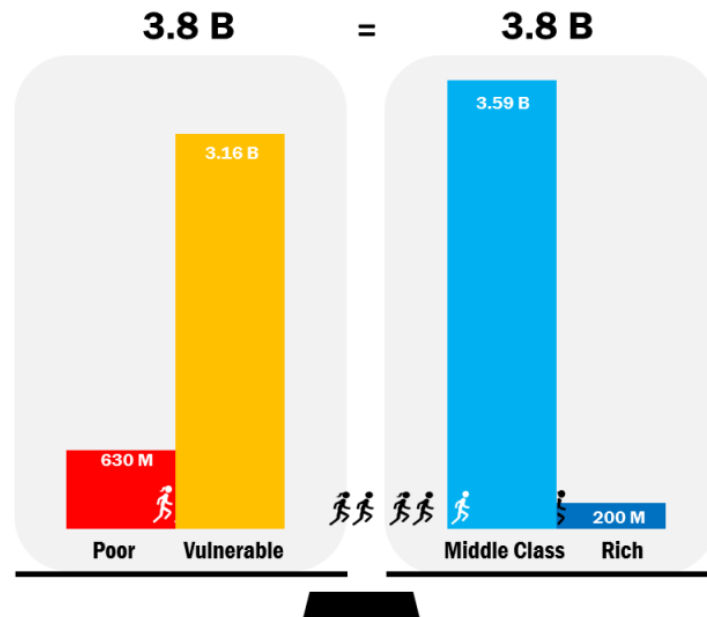
GLOBAL TRENDS

Number of people by income level



Source: Gap Minder and World Bank

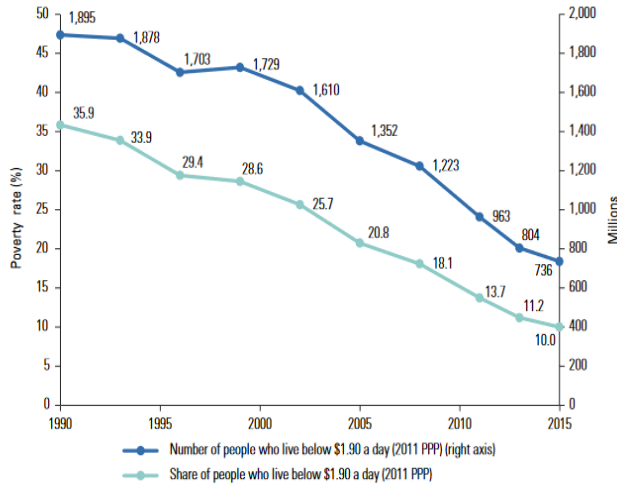
September 2018
The global income tipping point



Source: Projections by World Data Lab

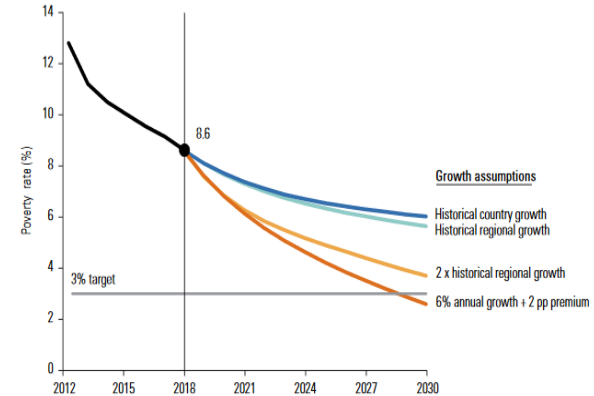
Extreme poverty downward trend

FIGURE 1.1 Global Poverty Rate and Number of Poor, 1990–2015



Source: PovcalNet (online analysis tool), World Bank, Washington, DC, <http://research.worldbank.org/PovcalNet/>.
 Note: PPP = purchasing power parity.

FIGURE 1.2 Global Poverty Rate Projections to 2030

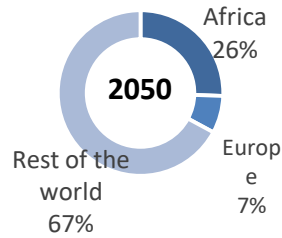
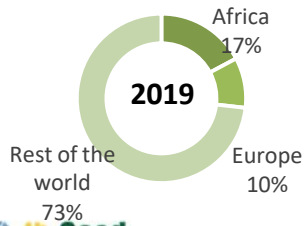
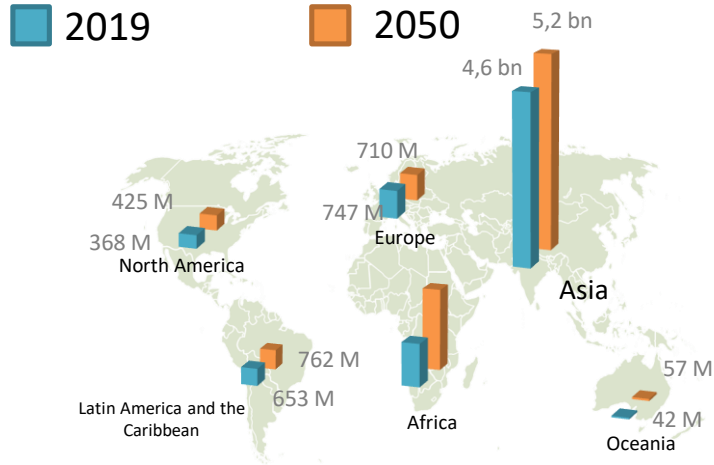


Source: PovcalNet (online analysis tool), World Bank, Washington, DC, <http://research.worldbank.org/PovcalNet/>; World Development Indicators; World Economic Outlook; Global Economic Prospects; Economist Intelligence Unit.
 Note: The 2018 nowcast uses realized and projected growth in GDP per capita and household final consumption expenditure per capita from 2015 to 2018 to grow the 2015 welfare vector. "Historical country (regional) growth" assumes that the annual growth rates countries (regions) experienced from 2005 to 2015 continue from 2018 to 2030. "6% annual growth + 2 pp premium" assumes that all countries grow by 6 percent annually from 2018 to 2030, and that the bottom 40 percent on average grow with an additional 2 percentage points (pp). All assumed growth rates are real, per capita growth.

Population
growth

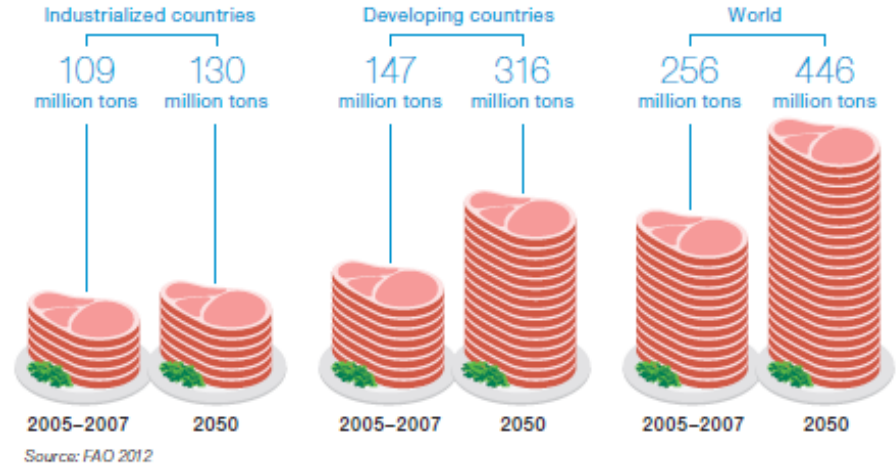
POPULATION GROWTH

CHALLENGES FOR AGRICULTURE



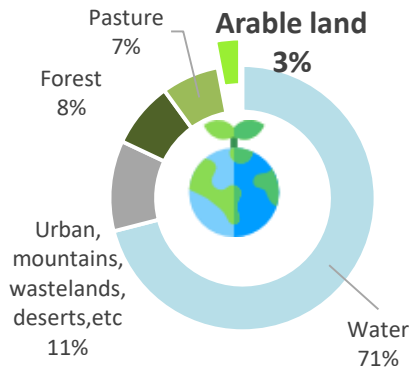
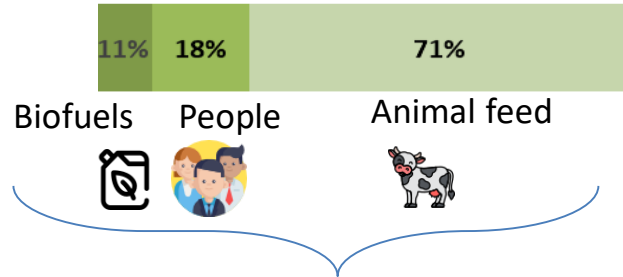
Source: UN (2019)

Meat consumption Will increase



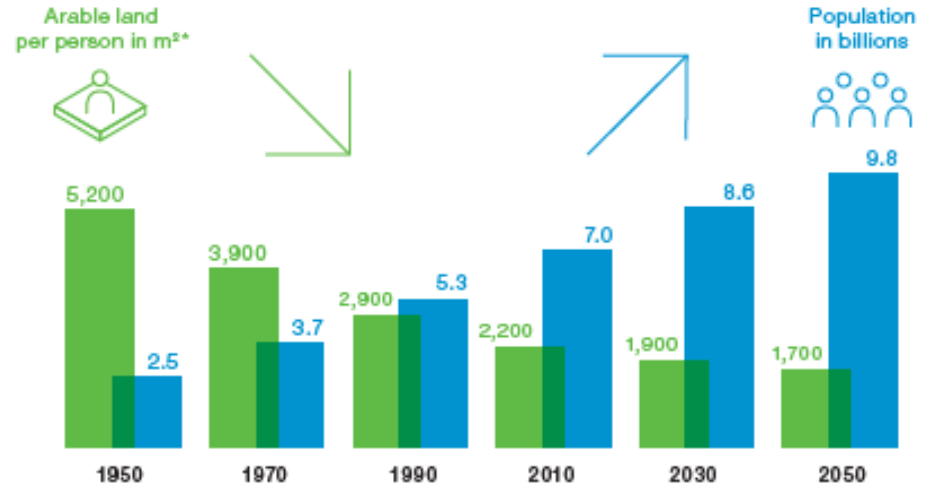
SCARCE RESOURCES

Arable land it's only 3% of world surface



CHALLENGES FOR AGRICULTURE

The population is growing, arable land per person is decreasing



* Rounded figures, Including permanent crops

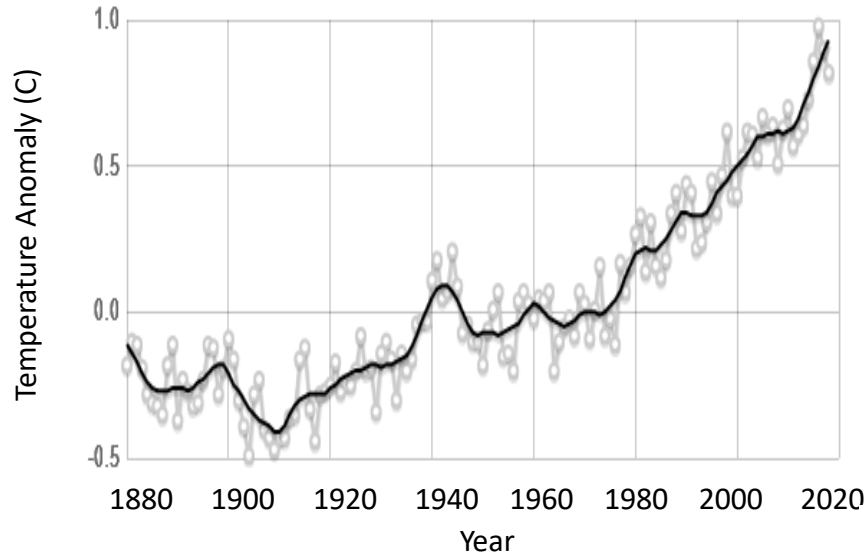
Source: UN 2017, FAOSTAT 2017, FAO 2012, own calculations



Water, Land and fossil fuels: limited in supply

Climate Change

CLIMATE CHANGE



Source: climate.nasa.gov

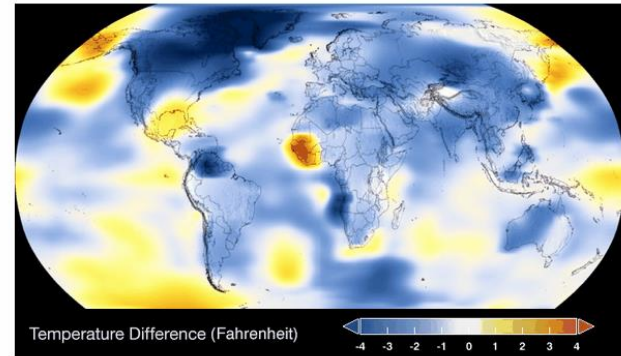
GLOBAL TRENDS

TIME SERIES: 1884 TO 2018

Data source: NASA/GISS

Credit: NASA Scientific Visualization Studio

1884



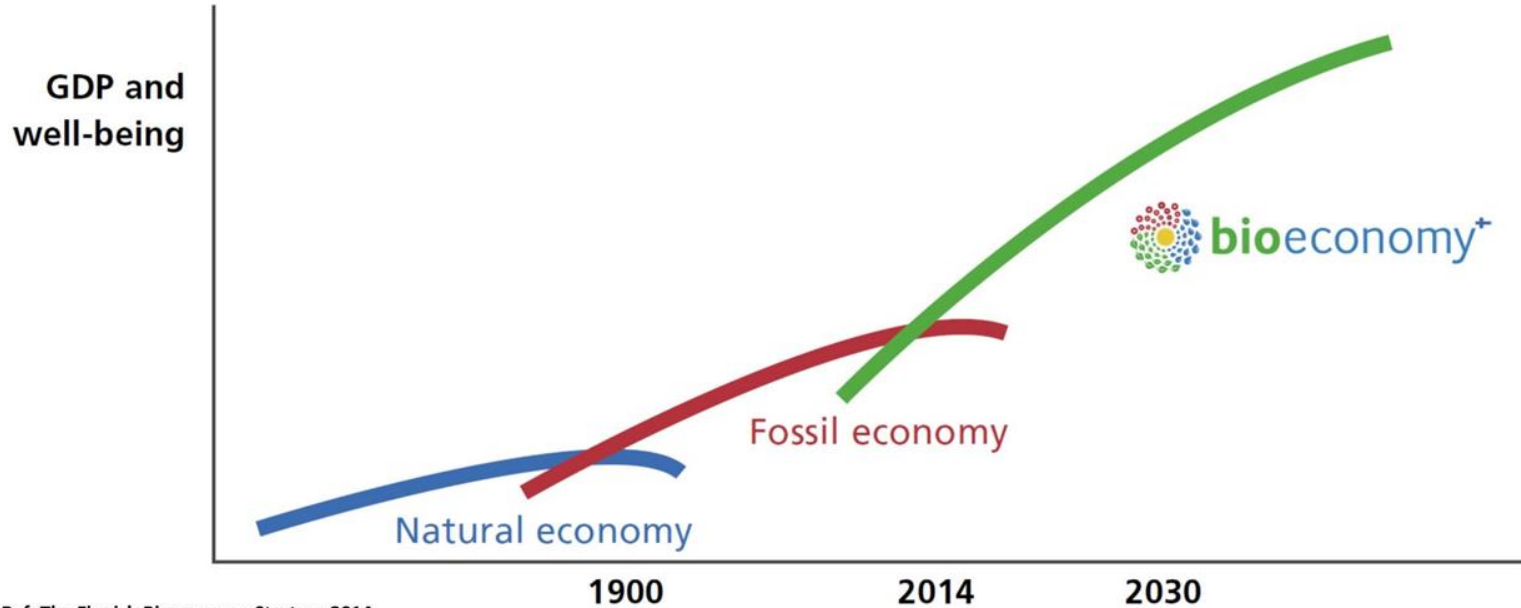
Source: climate.nasa.gov

ROAD MAP

- Global trends: globalization, climate change and technological change
- What challenges is agriculture facing
- **Create a sustainable future**

We need a new framework

CREATING A SUSTAINABLE FUTURE



Ref: The Finnish Bioeconomy Strategy 2014

Bioeconomy Policies around the World



Argentina's initiative to enhance good practices in agriculture

Good Agricultural Practices (GAP) Network

- ✓ A roundtable formed by 90 public and private institutions of the agricultural sector and others of affinity.
- ✓ It was created in april 2014 and its objectives are to promote and enhance good agricultural practices in Argentina.
- ✓ All of its members considers that GAP are an essential instrument in addressing the challenges of local and global demand for sustainable food produce.
- ✓ The GAP Network integrates and coordinates different lines of work and efforts to achieve an agriculture within 3 basic dimensions: environment, society, economy.

Main goals

Main objectives

Adoption of GAP in Argentina

Communicate knowledge and unified concepts about agriculture to society

Involvement in the political and social discussions about agriculture

¿What is the GAP Network?



Workflow and guidelines

April
2014



2015



2016



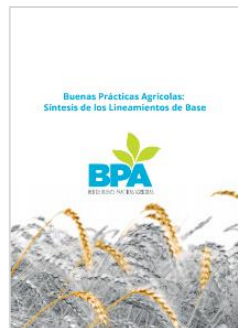
2017



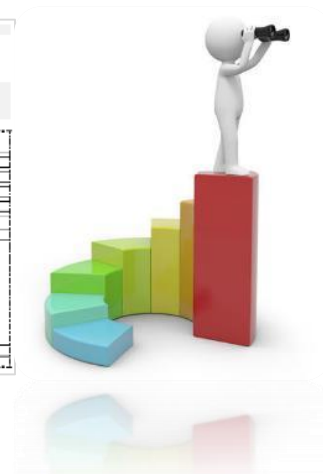
2018...



...2018
2020



Red BPA Red de Buenas Prácticas Agrícolas	
Guía de Autoevaluación	
Adopción de Buenas Prácticas Agrícolas en Cultivos Fitosanitarios	
→ Esta guía de autoevaluación podrá convertirse a campaña cerrada, o nivel de implementación.	
→ Los evaluados se completan con una cruz (X) o con líneas en el caso de opciones.	
→ Los datos a completar son en base a la información en la última campaña presencial o la última campaña telefónica.	
Datos del Implementador / representante Red BPA:	
Auditor y nombre:	Nombre:
Modal de contacto:	Apellido:
Institución y cargo:	Provincia:
Contacto/telefono:	Localidad:
Campaña a evaluar (Riesgo/Alto):	
Superficie con cultivos extensivos (Ha):	
Superficie bajo evaluación BPA (Ha):	
Campaña propia (X) o adquirida (X):	
Cuenta con asesor técnico profesional (X/N):	
Cultivos que se evalúan:	
Cereales:	
Hortalizas:	
Frutas:	
Cítricos:	
Otros:	
Datos del productor / beneficiario:	
Nombre:	
Apellido:	
Provincia:	
Localidad:	
Campaña propia (X) o adquirida (X):	
Cuenta con asesor técnico profesional (X/N):	
Cultivos que se evalúan:	
Cereales:	
Hortalizas:	
Frutas:	
Cítricos:	
Otros:	



Communication and training activities



CONCLUSIONS

- Global trends bring major challenges to the agricultural sector
- We will have to feed more people with less resources
- A way out:
 - increase the investment in innovation
 - Spread best agricultural practices among farmers in order to reduce yield gaps and improve the sustainability production.
 - Policymakers must establish frameworks to ensure that sustainable productions receive policy support: Bioeconomy
- Argentina and the region should play a key role in this agenda

Thank you

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