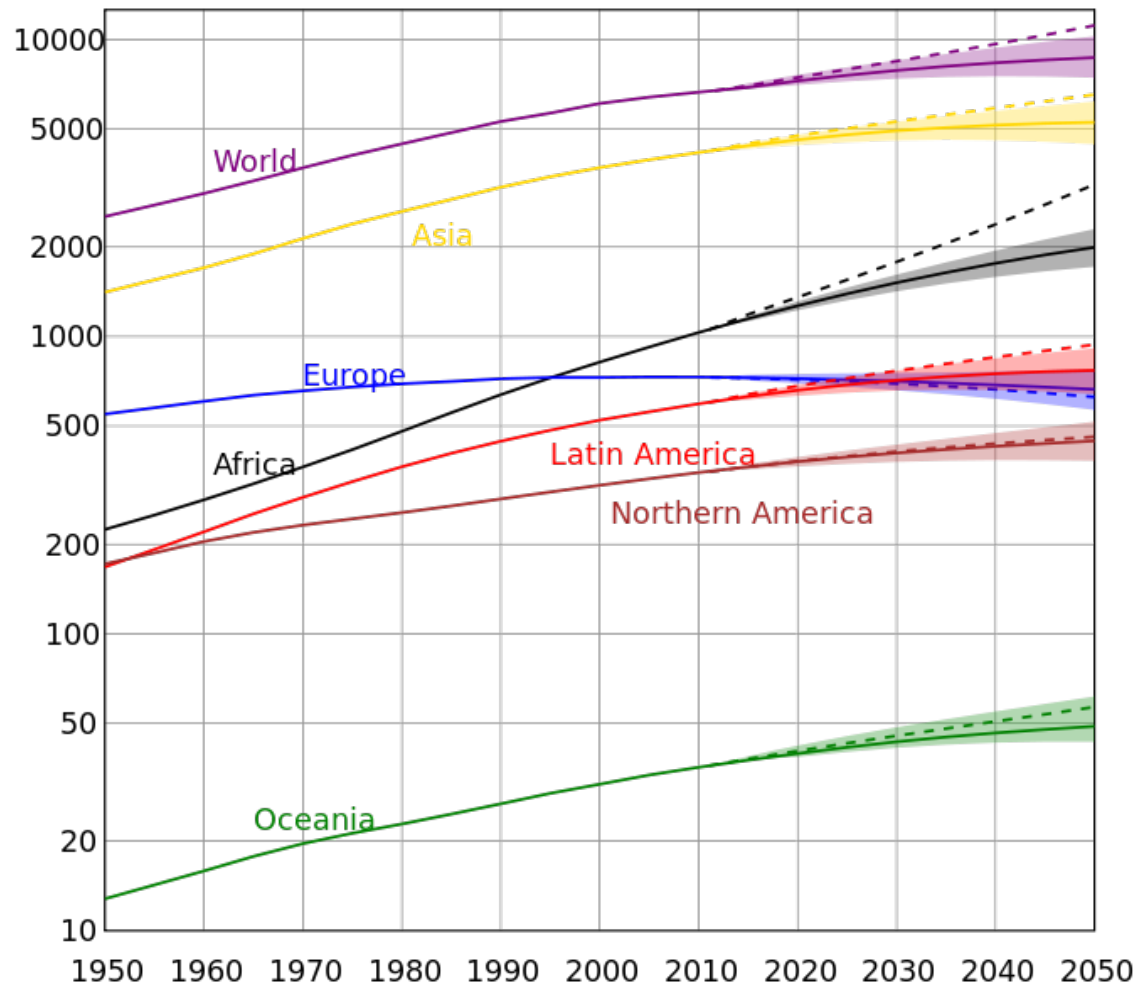


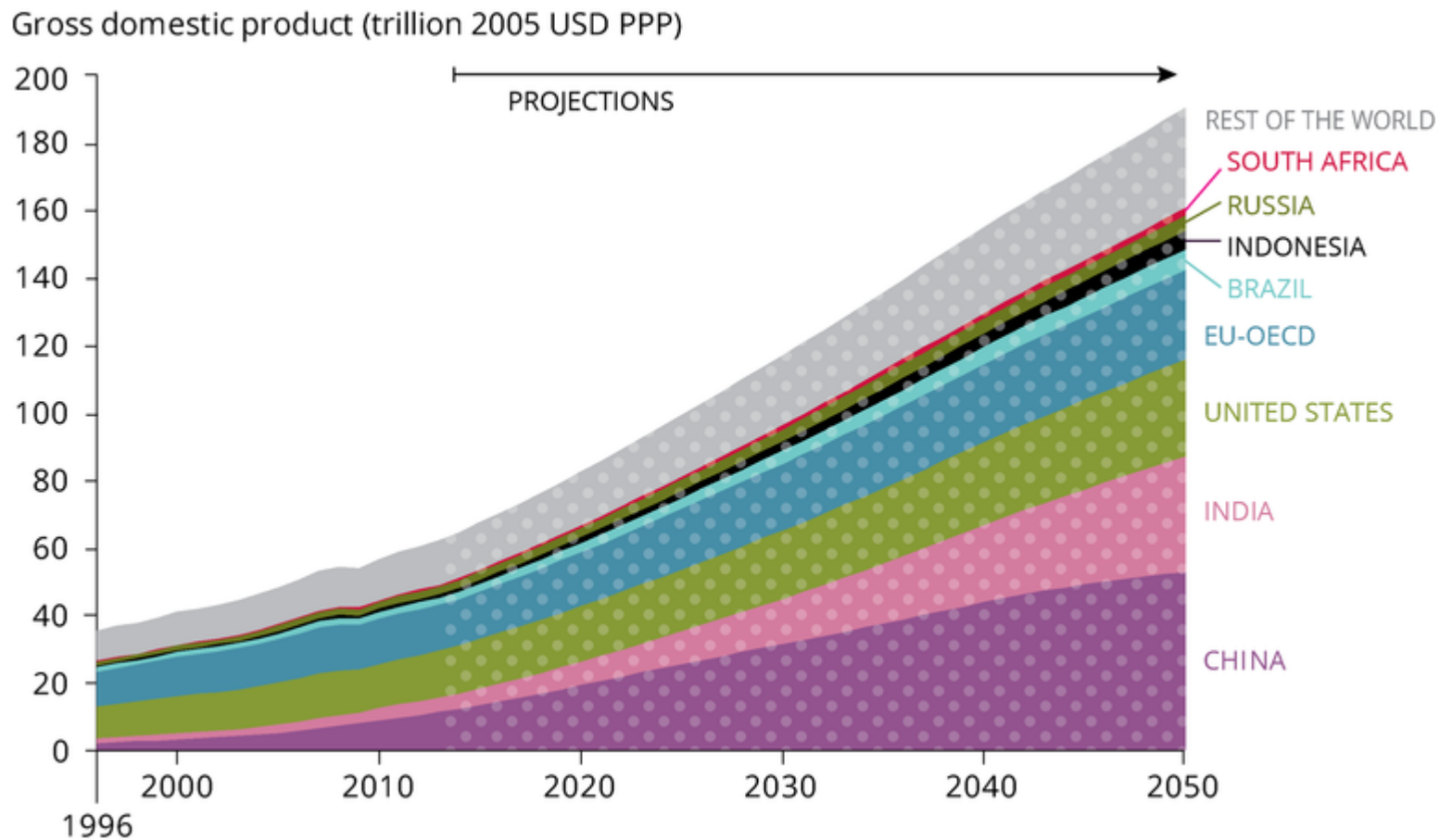
The 3rd Basel Sustainability Forum

BSF2018: Climate

Welcome: M.M. Bergman, 4 June 2018



<http://esa.un.org/unpp/>

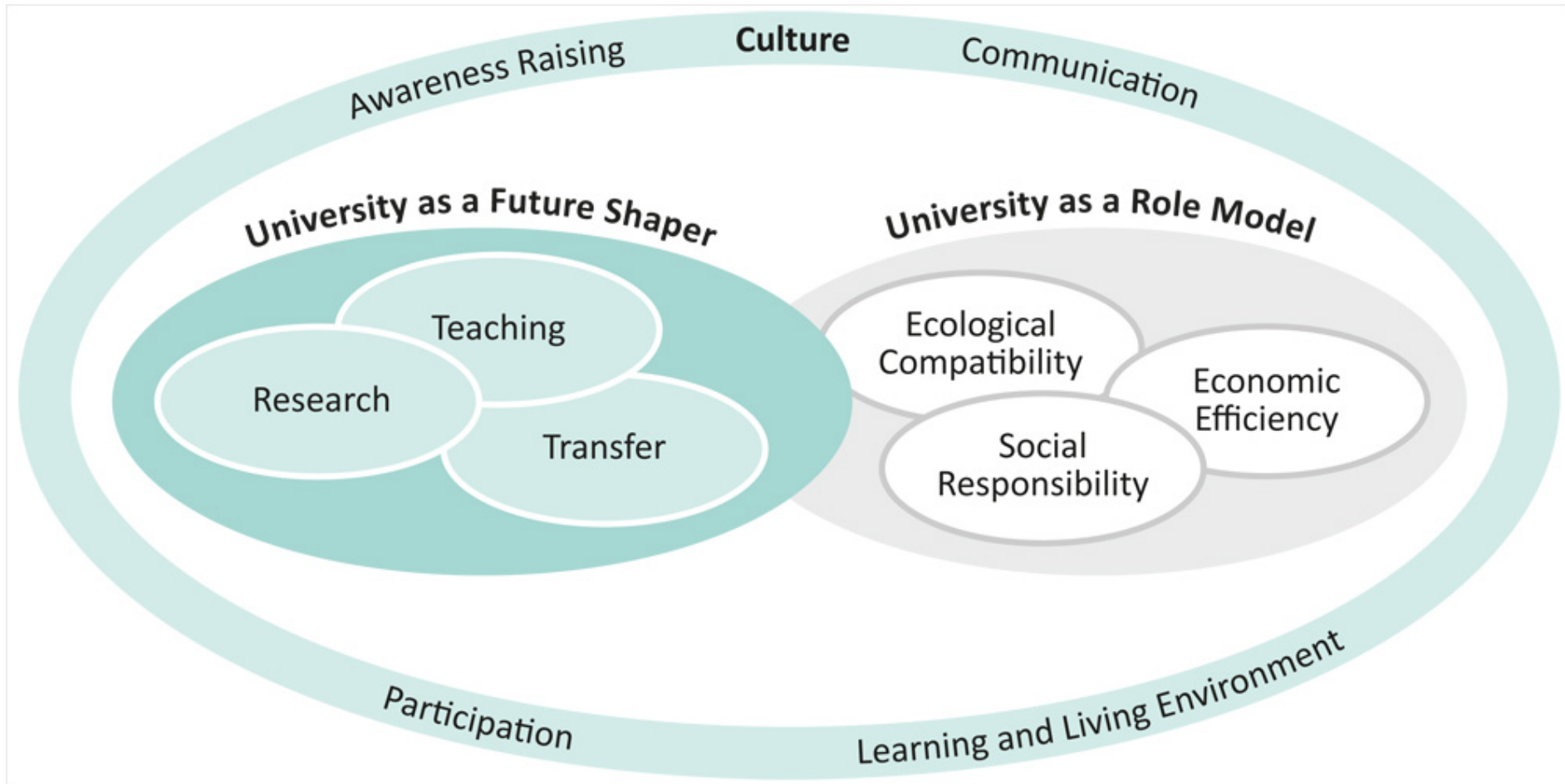


http://stats.oecd.org/Index.aspx?DataSetCode=EO95_LTB#

UN Sustainable Development Goals



Sustainability Concept of the University of Basel



Basel Sustainability Forum

Pillars:

- Collaboration with the MDPI Foundation and the MDPI journals «sustainability», «climate», etc.
- Academic-centric event for transdisciplinarity
- Target audience/key stakeholders from politics, business, civil society, and universities

Goal:

- Pro-to-lay conversation and collaboration on glocal (global and local) sustainability issues with key stakeholders

BSF
2016

1st Basel Sustainability Forum: Energy


14 October 2016, University of Basel, Switzerland




Universität
Basel

Fachstelle für Nachhaltigkeit
UNIVERSITÄT BASEL

Basel+

 **energies**

 **sustainability**



Schweizerische Akademie der Geistes- und Sozialwissenschaften
Accademia Svizzera delle scienze umane e sociali
Academia suíza das ciéncias humanas e sociais
Swiss Academy of Humanities and Social Sciences





Fonds Européen de Développement Régional (FEDER)
Europäischer Fond für regionale Entwicklung (EFRE)





BSF
2017

2nd Basel Sustainability Forum: Mobility

15 September 2017, University of Basel, Switzerland



University
of Basel

Fachstelle für Nachhaltigkeit
UNIVERSITÄT BASEL

Basel



sustainability



urban science



infrastructures

MDPI

Schweizerische Akademie der Geistes- und Sozialwissenschaften
Académie suisse des sciences humaines et sociales
Accademia Svizzera di scienze umane e sociali
Academia e-vica de ciencias humanas e sociais
Swiss Academy of Humanities & Social Sciences



BSF
2018

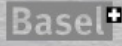
3rd Basel Sustainability Forum: Climate

4 June 2018, University of Basel, Switzerland



Universität
Basel

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sustainability



climate

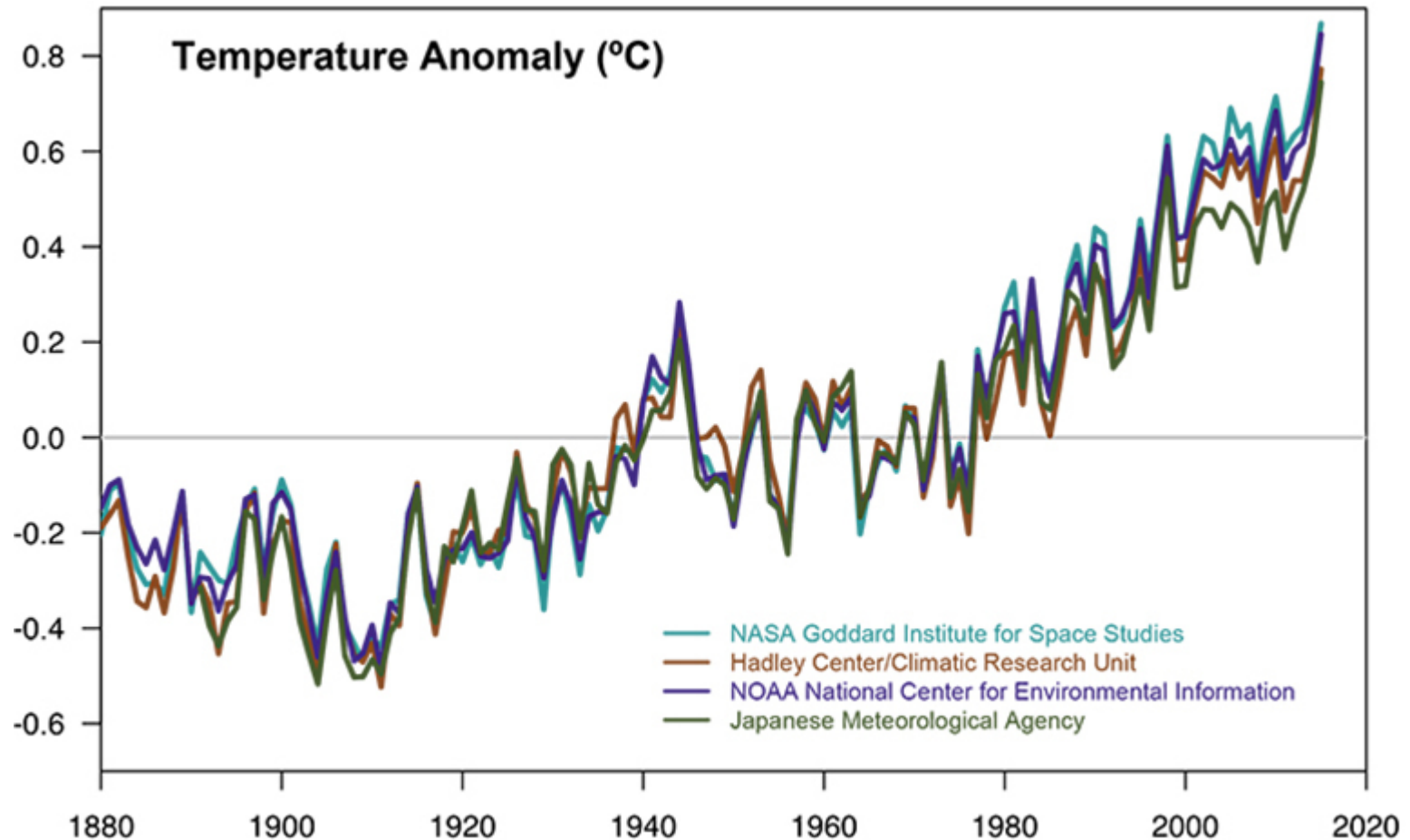


MDP SUSTAINABILITY
FOUNDATION

Schweizerische Akademie der Geistes- und Sozialwissenschaften
Académie suisse des sciences humaines et sociales
Accademia svizzera di scienze umane e sociali
Academia suiza de ciencias humanas e sociais
Basel Academy of Humanities and Social Sciences



Basic common denominator for BSF2018:
Climate change exists, e.g. in the form of global warming:



Cook, J. et al. (2016). Consensus on consensus: a synthesis of consensus estimates on human-caused global warming. *Environmental Research Letters*, 11, 4.

The number of papers rejecting AGW [Anthropogenic, or human-caused, Global Warming] is a miniscule proportion of the published research, with the percentage slightly decreasing over time. Among papers expressing a position on AGW, an overwhelming percentage (97.2% based on self-ratings, 97.1% based on abstract ratings) endorses the scientific consensus on AGW.

Cook et al., 2016: 6

Prof. Edwin C. Constable



- Vice President for Research, University of Basel
- Prof. of Chemistry
- Over 500 articles and «many» books (h-index: 70; i10-index: 402)
- E.g. light harvesting using inorganic coordination complexes as dyes in dye-sensitized solar cells (DSCs)
- Sustainability as one of five strategic focal points of the University of Basel
- Inspiration for BSF and WSF (WSF2018: Beijing)

The 3rd Basel Sustainability Forum

BSF2018: Climate

Farewell: M.M. Bergman

Planetary boundaries vs. UN SDGs/Agenda 2030

Boundaries crossed:

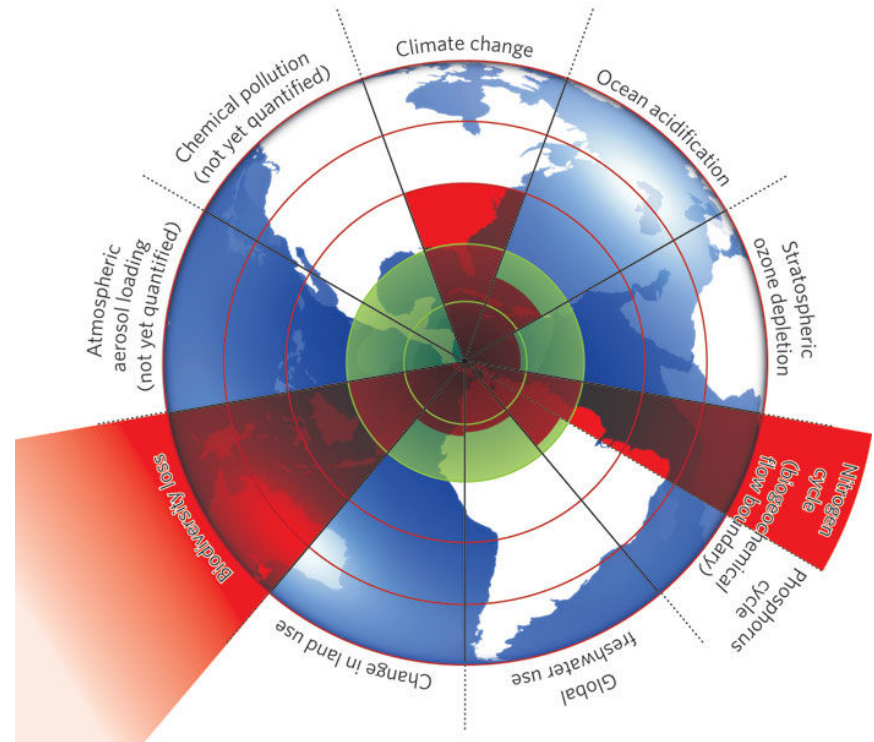
- Biodiversity loss
- Biochemical flows (nitrogen cycle)
- Climate change

VS.

UN SDGs:

“at least 7 per cent gross domestic product growth per annum in the least developed countries” (8.1)

“by 2030, significantly raise industry’s share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries” (9.2)



BSF2018: Climate Consumption

	China	India	CH	USA	source
Median age 2016	37.1	27.6	42.2	37.9	4
0-14 age bracket (%)	18	28	15	19	6
Energy consumption kWh pc/a	4475(2017)	1122(2016)	7091(2016)	12071(2016)	2, 3, 4
CO2 emission pc (t) 2015	7.73	1.87	4.83	16.07	5
Meat consumption pc 2009	58.2	4.4	74.7	120.2	1

1 Food and Agriculture Organization of the United Nations

2 Chinese National Energy Administration (NEA)

3 Central Statistics Office, India

4 CIA world fact book

5 EU Emissions Database for Global Atmospheric Research

6 The World Bank; Data 2017

BSF2018: Climate

Younger vs. older cohort (USA)

USA	Young(age)	Old(age)	
Voting rates (2016)	46.1(18-29)	70.9(65+)	
Voted for Trump	37(18-29)	53(65+)	
Voted for Trump white men	38(18-29)	67(65+)	
New car purchase %, 2015	22.6(18-34)	36.4(65+)	
Car brand (average age of owner)	VW, Nissan, Kia	Lincoln, Buick, Cadillac	
Medical health expenditure %	11(19-34)	34(65+)	Pop: 22vs15
Home ownership %, 2015	35(<35)	79(65+)	
International leisure travel (8+days)	17%(18-34)	52%(65+)	
Median savings account balance \$	1580(<35)	10000(65-74)	
No retirement savings %	50.5(18-29)	15.4(60+)	

Thank yous:

Co-Chairs BSF2018: Henri Rueff (University of Bern) & Nikolaus Kuhn (University of Basel)

University Basel: Ed Constable (Vice-Rector Research), Martha Vogel, assistants of the Social Research and Methodology Group

MDPI: Shu-Kun Lin, Franck Vazquez, Matthias Burkhalter

All speakers, moderators, and round table participants

Sponsors: University of Basel, Sustainability Office, Canton of Basel-Stadt, MDPI (sustainability and climate journals, MDPI Foundation), Swiss Academy of Humanities and the Social Sciences (SAGW), United Nations Sustainable Development Solutions Network (SDSN), Sustainable Corporate Responsibility Group (SCORE), University of Bern

You, the BSF2018 participants