

# GLOBAL PANORAMA OF EDUCATION SCHEMES IN FORESIGHT

Élisa Soyer-Chaudun



## 1. Introduction

This study has been initiated with the support of the Fondation 2100. Its aim is to establish an up-to-date panorama of the education schemes in foresight existing around the world. This document introduces the method used to select the education schemes in foresight, and presents the results of the analysis.

## 2. Method

The analysis has been initiated from the answers to a questionnaire sent in late December 2017 by the Fondation 2100 to the members of the WFSF (World Future Studies Society). The members were questioned on their knowledge of existing education schemes in foresight around the globe, such as which establishments and universities teaching foresight, at which level, etc.

Gathering the answers to the questionnaire was a starting point to elaborate a list of relevant education schemes.

The schemes targeted by the analysis are full programs and modules provided in 2017-2018 by universities and non-academic establishments (such as consulting cabinet, foundations, MOOC), mentioning explicitly the terms “Foresight”, “Futures studies” or “Forecast” (or the equivalent translation) within their nomenclature or their content description.

No restriction has been applied concerning the format of teaching (length, workshop, seminar, number of attendees). All schemes relating to “Strategic planning”, “Business strategy”, “Innovation management” or similar nomenclatures have been discarded in order to focus the analysis on specific foresight methods and to reduce the scope of the list.

Based on those criteria, the establishments mentioned in the answers to the questionnaire have been all double-checked and the schemes that were not relevant nor existing in 2017-2018 have been eliminated. The research was then extended, based on web researches, to target new establishments. Some web platforms have been a valuable primary source (including BeFore, Global Foresight, The European Foresight Platform), from which schemes have also been verified and selected.

The listing then was used to produce indicative statistics.

*NB: Giving the scope of the analysis and the yearly evolution of education schemes, the listing is neither exhaustive nor immutable and is valid only for the year 2017-2018.*

## 3. Results

The list presents more than 130 schemes, provided by 90 establishments across 30 countries, covering all continents. The mapping of the results reveals the breadth of studies in foresight. Some countries stand out due to the high density of schemes provided, specifically in Finland, in Australia, and in the US.

The analysis reveals a very diverse audience, mingling students and professionals from various sectors. The great majority of attendees are students, as universities provide 83% of the schemes. The schemes also are provided by non-academic institutions: 15% of the establishments are private institutions, foundations, or international forums, and 2% MOOCs. The establishments listed below provide foresight education to a mixed public, where the majority of attendees are master students (38% of total attendees) and professionals (32%). The remaining public is composed of bachelor students, researchers and PhD students.

The analysis also discloses the variety of schemes in terms of content, as all sectors in which foresight methods can be applied are represented. “Management and leadership” is the most represented category, gathering 46% of all listed schemes, where foresight is applied to methods of governance, leadership, management of innovation and management in risk situations. The second sector is “Science and technology” (25%), where foresight applies to the environment sector, issues of sustainable development, green revolution, new technologies, and digitalisation. “Economy and business” ranks third (15%) and accounts for foresight application in business models and strategy of development, long term planning and innovation in economy. The “Art & design” category (6%) reveals that foresight can also be applied to creative and artistic disciplines, including architecture and design thinking. The remaining schemes cover tourism, urbanism and defence.

## 4. Appendices

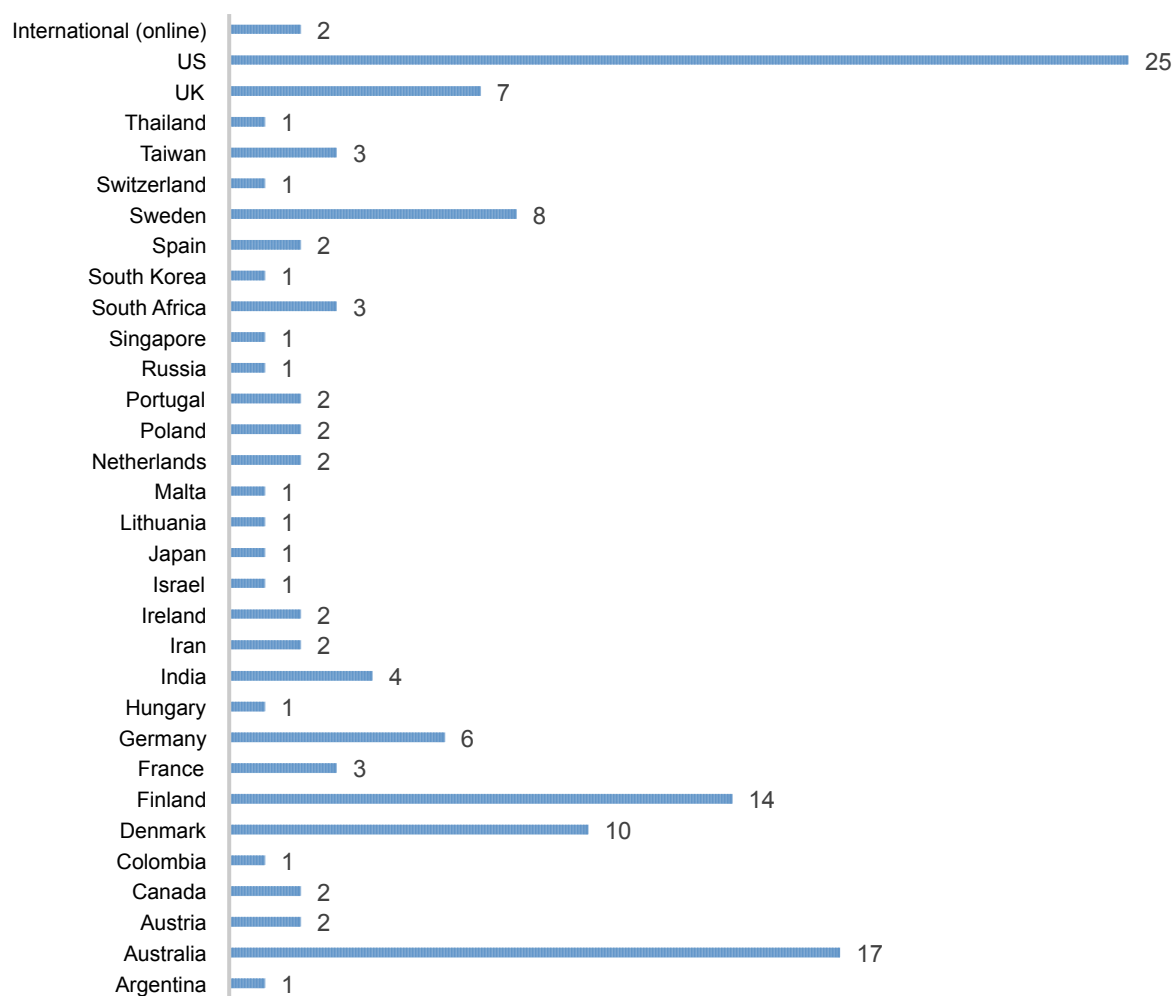
### (1) List of establishments providing education schemes in Foresight, by country

<i>Country</i>	<i>Name</i>
<b>Argentina</b>	Universidad Nacional de la Plata
<b>Australia</b>	Chasing Sunrise Griffith University Metafuture Swinburne University of Technology University of Adelaide University of Melbourne University of New South Wales University of Technology Sydney (UTS) University of the Sunshine Coast
<b>Austria</b>	Austrian Institute of Technology
<b>Canada</b>	Ontario College of Art and Design University of Toronto
<b>Colombia</b>	External University of Colombia
<b>Coursera</b>	HEC KTH
<b>Denmark</b>	Aarhus University Copenhagen Institute for Future Studies Futurenavigator Kaospilot Technical University of Denmark Trends & Scenario Group by Matthew Spaniol
<b>Finland</b>	Abo Akademi University Helsinki University of technology Lappeenranta University of Technology Tampere University of Technology University of Aalto University of Helsinki University of Lapland University of Oulu University of Tampere University of Turku
<b>France</b>	CNAM
<b>Germany</b>	EBS, Institute for Future Studies and Knowledge Management Freie Universität Berlin Technical University of Hamburg University of Applied Sciences Potsdam Freie Universität Berlin
<b>Hungary</b>	Corvinus University of Budapest
<b>India</b>	Kerala University University of Kerala
<b>Iran</b>	Imam Khomeini International University University of Tehran

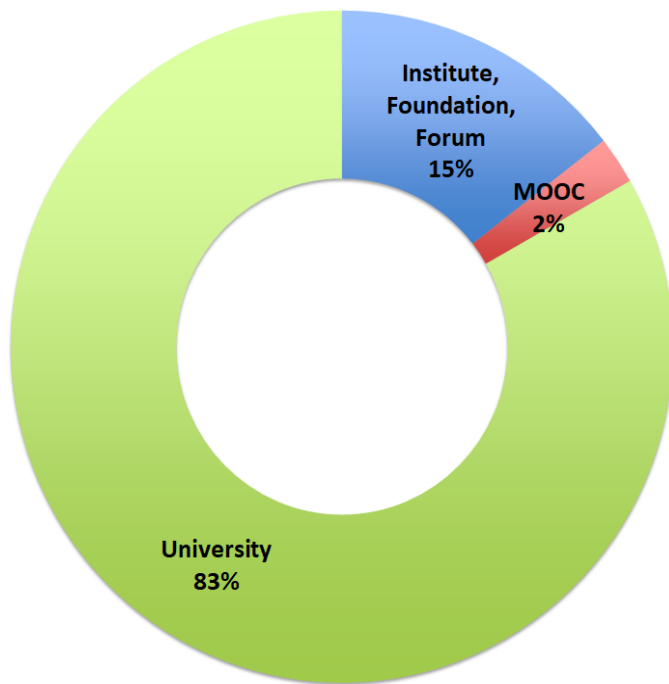
<b>Ireland</b>	Dublin Institute of Technology
<b>Israel</b>	Tel Aviv University
<b>Japan</b>	Kyoto University
<b>Lithuania</b>	Kazimiero Siemonaviciaus Universitetas
<b>Malta</b>	University of Malta
<b>Netherlands</b>	Club of Amsterdam
	Leiden University
<b>Poland</b>	Akademia Leona Kozminkiego
	Bialystok University of Technology
<b>Portugal</b>	Instituto Desenvolvimento
	University of Lisbon
<b>Russia</b>	Higher School of Economics, Moscow
<b>Singapore</b>	Lee Kuan Yew School of Public Policy
<b>South Africa</b>	University of Stellenbosch
<b>South Korea</b>	KAIST
<b>Spain</b>	University of Alicante
<b>Sweden</b>	Kairos Future
	KTH
	Mälardalen University
	Stockholm University
<b>Switzerland</b>	The Global Foresight Group
<b>Taiwan</b>	Tamkang University
<b>Thailand</b>	4th International Workshop, Future Thinking and Strategy Development
<b>UK</b>	Cranfield University
	Oxford
	Shaping Tomorrow
	University of Manchester
	University of Strathclyde
	Leeds Metropolitan University
<b>US</b>	Anne Arundel Community College
	California College of Art and Design
	California Institute of Integral Studies
	George Washington University
	IBF (The Institute of Business Forecasting & Planning)
	Leading Futurist by Jennifer Jarratt & John B. Mahaffie
	NCSG
	NYU School of Professional Studies
	Regent University
	Singularity University
	Stanford University
	Union Institute & University
	University of Hawai
	University of Houston
	University of Maryland
	Walden University

## (2) Analytics

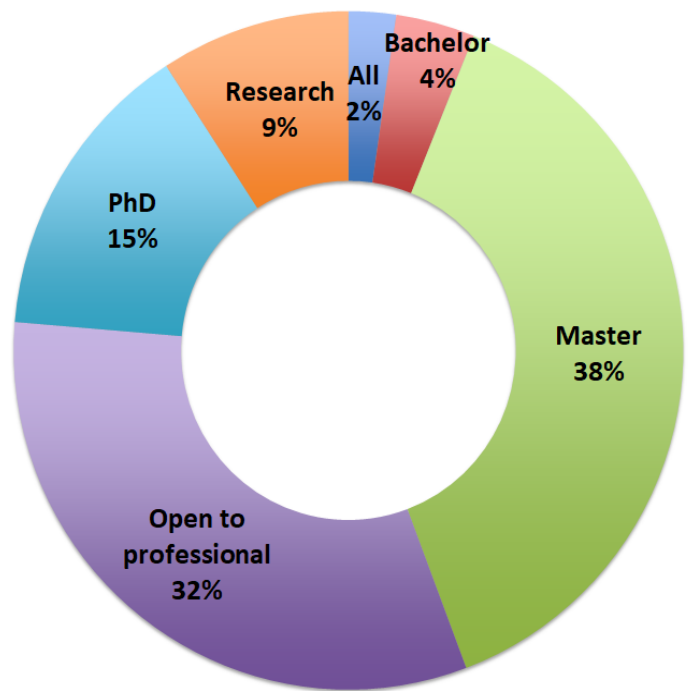
### Number of establishments by country



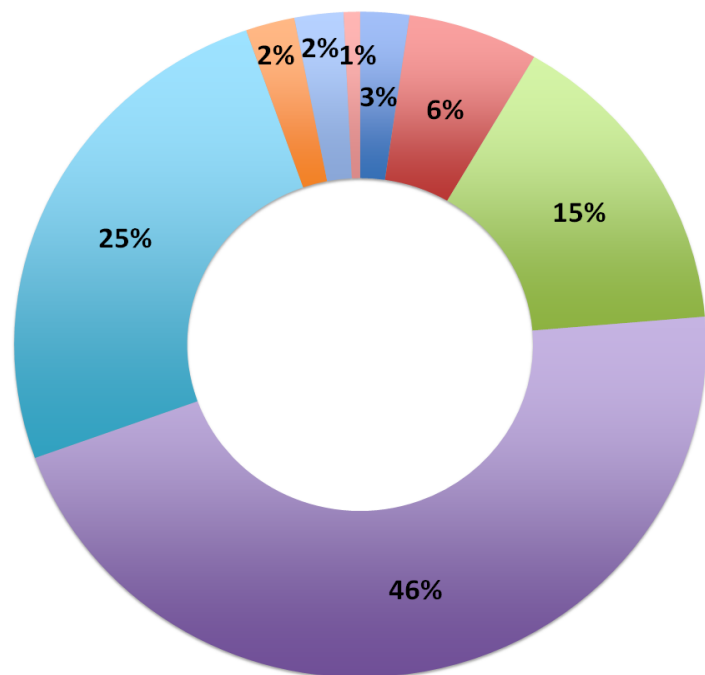
Type of establishments



Audiences reached



Fields of application



- All
- Economics & Business
- Science & technology
- Urbanism
- Art & Design
- Management & Leadership
- Tourism
- Defence