Analyzing Big Data in International Student Mobility

The Power of International Education

Christine Farrugia, Ph.D.
Deputy Head of Research
Institute of International Education

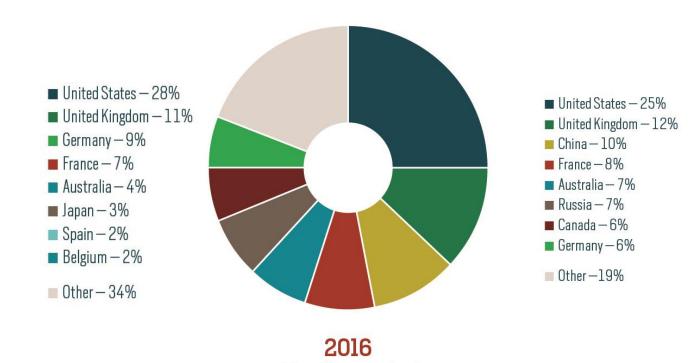
UMAP International Forum | August 18, 2017 | Toyo University, Tokyo





Growth in globally mobile students, 2001-2016





~4.1 million students

Source: Project Atlas, 2016



International Student Growth

	2015 release	2016 release	% change
United States	974,926	1,043,839	+7.1%
United Kingdom	493,570	496,690	+0.6%
China	377,054	397,635	+5.5%
France	298,902	309,642	+3.6%
Australia	269,752	292,352	+8.4%
Russia	250,251	282,921	+13.1%
Canada	239,665	263,855	+10.1%
Germany	218,848	235,858	+7.8%
Japan	139,185	152,062	+9.3%
Spain	71,533	76,057	+6.3%
Netherlands	70,659	74,894	+6.0%
New Zealand	46,659	50,525	+8.3%
India	39,517	42,420	+7.3%
Sweden	32,602	33,181	+1.8%
Finland	30,191	30,827	+2.1%
The Philippines	6,432	8,202	+27.5%

Source: Project Atlas®, 2016

International Students as a Percentage of Total Higher Education Enrollment



Source: Project Atlas®, 2016



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Deutscher Akademischer Austausch Dienst German Academic Exchange Service











Assessment of Higher Education Learning Outcomes











COUNCIL OF GRADUATE SCHOOLS



Project Atlas®









GRADUATE MANAGEMENT



United Nations Educational, Scientific and **Cultural Organization**

UNESCO INSTITUTE for **STATISTICS**



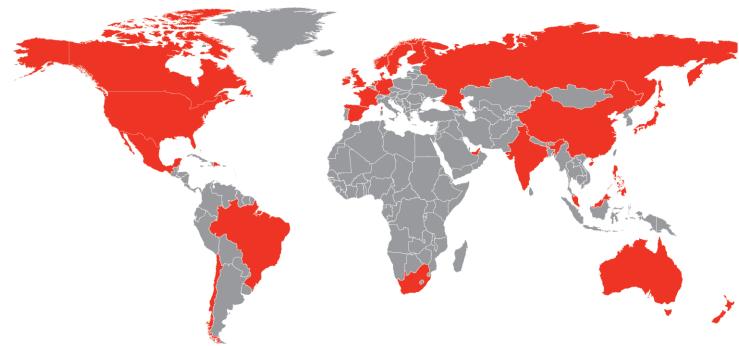








Project Atlas Measuring Global Student Mobility







































































International Student Census

Study Abroad Survey

opendoors®

International Scholar Survey

Intensive English Program Survey

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Value-add to the Field



Harmonizing indicators



Most current time reference



All mobility types



Private institutions



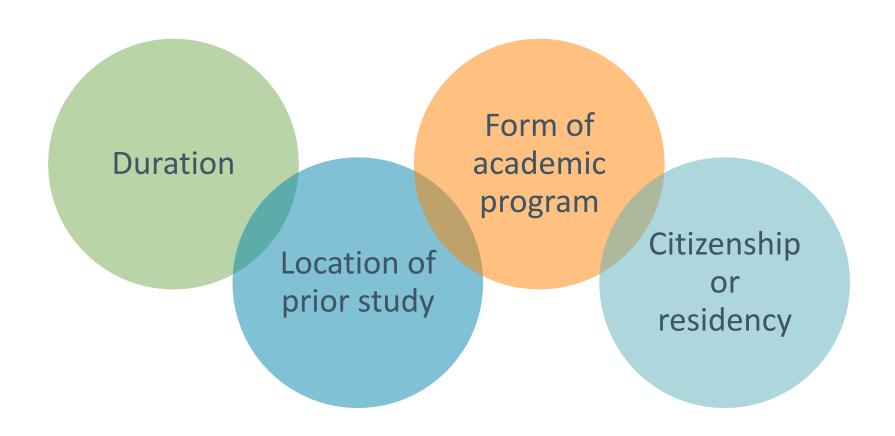
Disseminating data online



Research & capacity-building



Defining International Students





Mobility Categories



Degree programs



Short-term exchange



Higher Education



Language training



Vocational training



High school

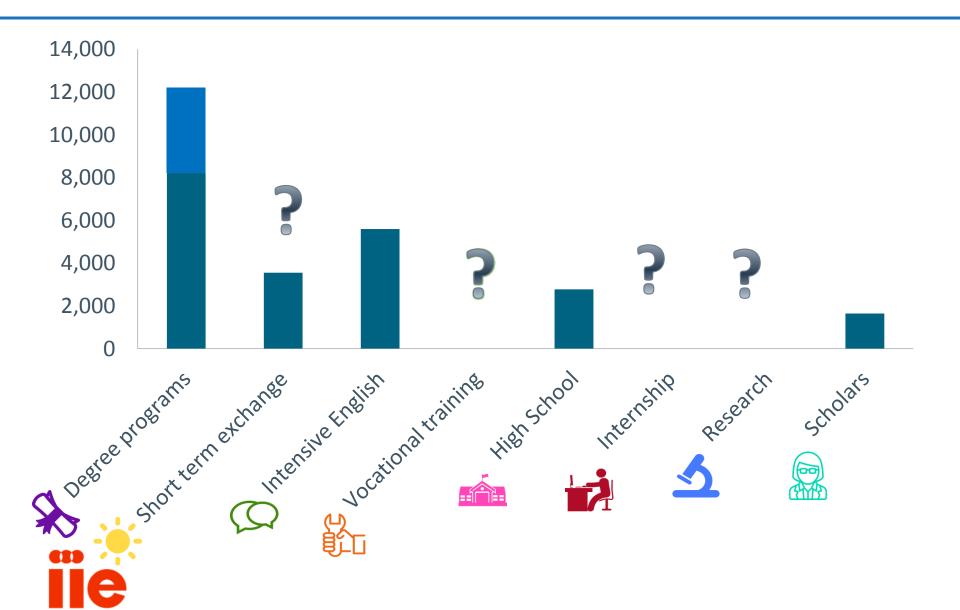


Internship

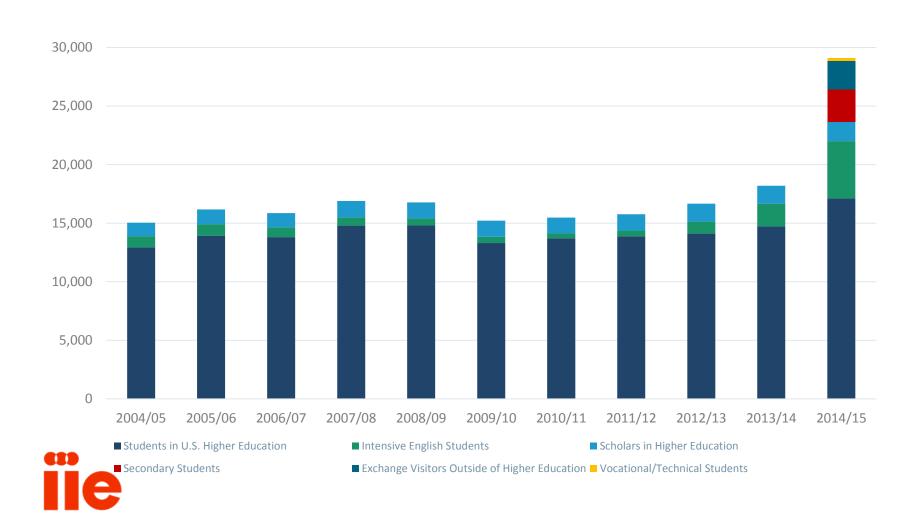


Research

Mexico — U.S.



Mexico Students & Scholars in the U.S., 2004/05-2014/15



Non-Credit Education Abroad (NCEA)

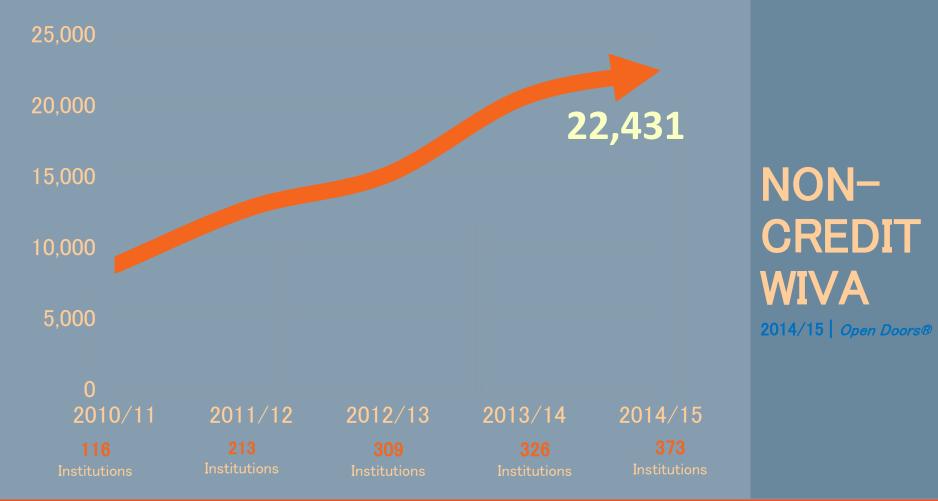




Research or Field Work Travel Seminar or Study Tour YVolunteering or Service Learning Internship or Work Abroad **#**Language Study



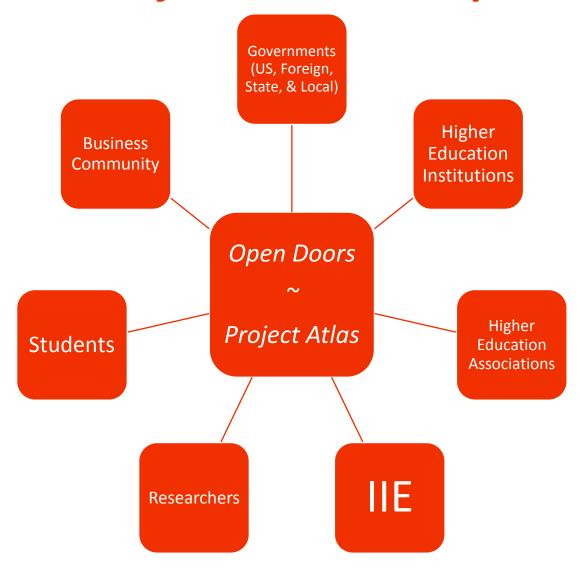
Non-Credit Work, Internships, & Volunteering







Who Uses Project Atlas and Open Doors?





How Governments Use Mobility Data

Diplomatic initiatives (e.g., EducationUSA advising centers - *U.S.*)

Global Benchmarking

Assessing impact of international students in local communities

Serving development goals of sending countries



How Higher Education Uses Mobility Data

Benchmarking internationalization efforts

Strategic planning for internationalization

Recruitment and enrollment management

Advocating for internationalization on campus and in the community



How Researchers Use Mobility Data

Policy Research

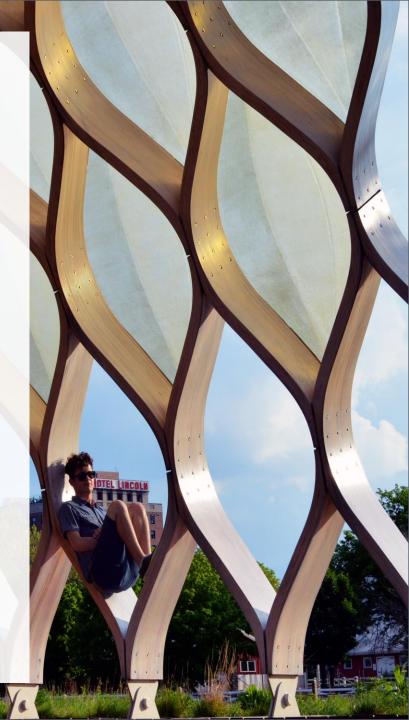
- Economic impact (IIE, NAFSA & Indiana University)
 - www.nafsa.org/economicvalue
- Mapping the Nation (Asia Society)
 - Mappingthenation.net
- Humanities Indicators (American Academy of Arts and Sciences)
 - www.humanitiesindicators.org

Academic Research

- Determinants of international student flows to the U.S.
- International students and domestic diversity in U.S. higher education
- International student flows into elite and non-elite U.S. higher education
- The effects of system-level characteristics on the internationalization of U.S. higher education

Data and the Future of International Mobility

- ✓ Government scholarships
- Bilateral & multilateral initiatives
- ✓ Youth mobility
- ✓ Work skills & employment



The race is on to attract international students

By 2019...

Egypt

Quadruple international student enrollment from 53,000 to 200,000 By 2020...

Germany

Attract more than 350,000 students

China

Attract 500,000 – 150,000 full-degree higher education students

India

Boost higher education seats by 14 million to reach 40 million in order to have more placements for international students

Japan

Attract 300,000 students

Canada

Attract more than 450,000 students

Malaysia

Attract 200,000 students

Turkey

Attract 150,000 students each year

By 2025...

Australia

Double in-bound students from 590,000 (2014) to around 1 million in all sectors

Bilateral and multilateral government initiatives

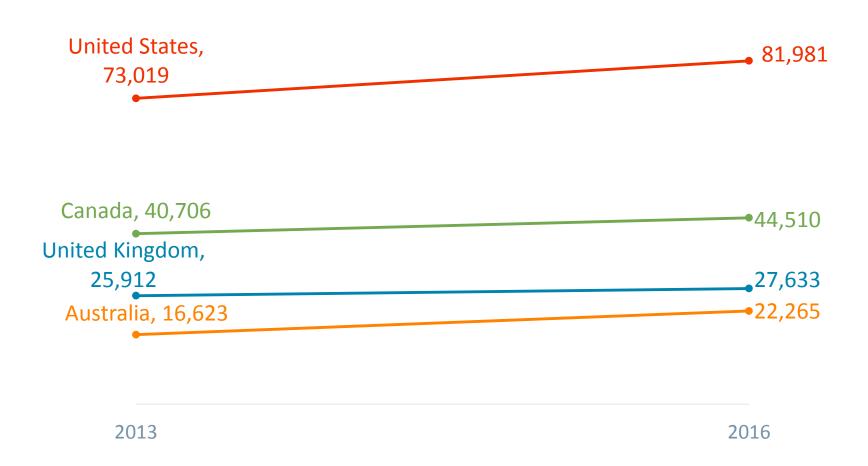






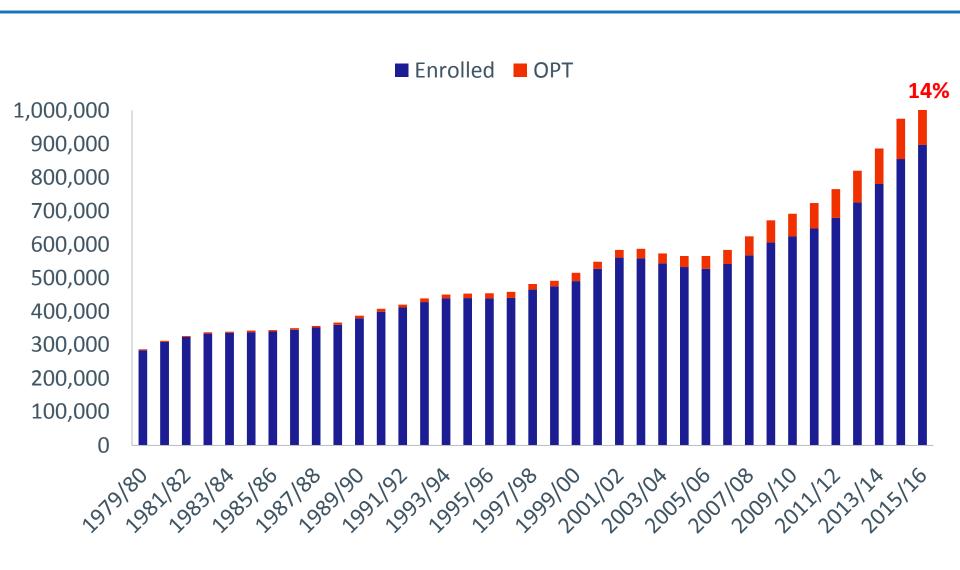


International Secondary Students in Anglophone Countries





Optional Practical Training (OPT) is growing in the U.S.



www.iie.org



Research and Insights

Open Doors

Project Atlas

Publications

IFP Alumni Tracking Study

Best Practices Resource

Evaluation and Impact Studies Since 1919, IIE has pioneered applied research and policy analysis in the field of international student mobility. IIE also provides research and program evaluation services to domestic and international governmental agencies, non-governmental organizations and foundations. IIE's publications are standard reference resources for students and advisers, and IIE's research reports and policy papers serve as a rapid response to the changing landscape of international education.



Open Doors

Open Doors®, supported by a grant from the Bureau of Educational and Cultural Affairs at the U.S. Department of State, is a comprehensive information resource on international students and scholars studying or teaching at higher education institutions in the United States, and U.S. students studying abroad for academic credit

Thank you!

Christine Farrugia cfarrugia@iie.org

