Inspiring teaching and learning of SDGs with library resources

Esther Woo
The University of Hong Kong Libraries

Crossover of Design Thinking & SDGs
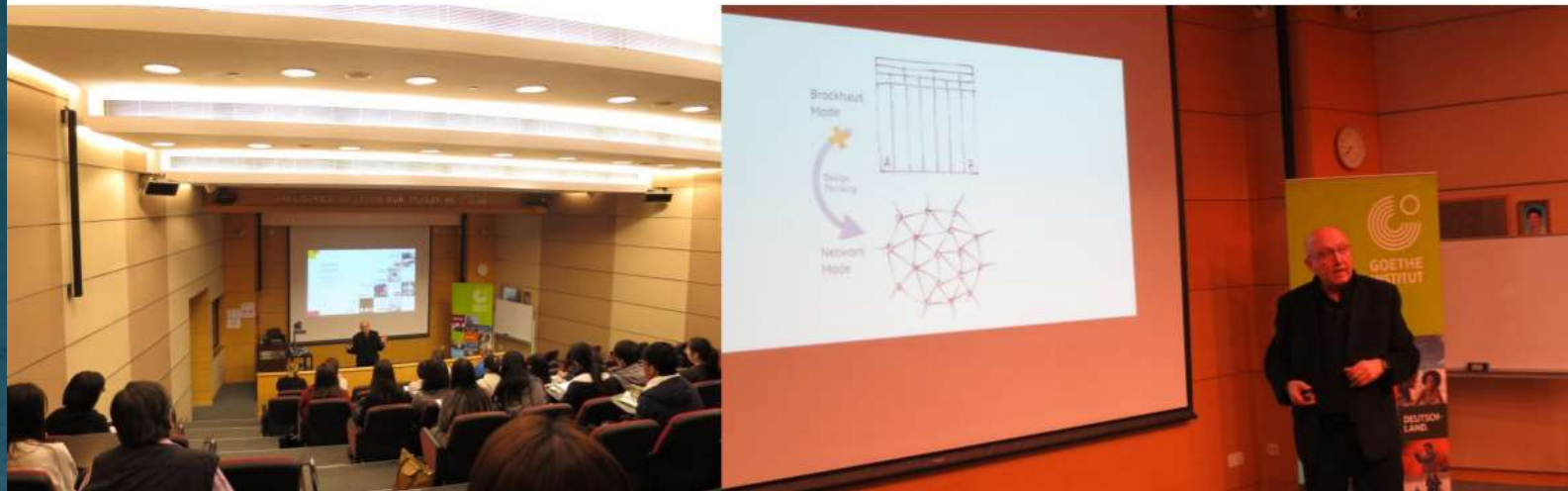
Two far-reaching waves

How libraries ride on these waves

HKUL's experimental approach

Seminar organized by HK Library Association & the Goethe Institut Hongkong (28 Feb 2017)

Design Thinking: Creative Interdisciplinary Methodology for Change Management

Professor Ulrich Weinberg (Director, School of Design Thinking at the HPI Hasso Plattner Institute (HPI), Potsdam) delivering one of the seminar (https://dev.hkla.org/wp-content/uploads/hkla/HKLA-Newsletter-No-101-Apr-2017.pdf)

IFLA International Advocacy Programme: Libraries, Development, & Implementation of the UN 2030 Agenda (14-15 May 2018 @HKU)

Ms Ingrid Bon, IFLA Headquarters with workshop participants (https://hkla.org/hkla_news/ifla-international-advocacy-programme/)

Open Resources for teaching SDGs

- UNESCO Resource Bank for Educators
  https://en.unesco.org/themes/education/sdgs/material

- UN Student Resources
  https://www.un.org/sustainabledevelopment/student-resources/

- Teach SDGs http://www.teachsdgs.org/resources.html

- SDG Academy https://sdgacademy.org/

- The World's Largest Lesson – Children
  https://worldslargestlesson.globalgoals.org/

- Oxfam – A Guide for Teachers
  https://oxfamilibrary.openrepository.com/handle/10546/620842

- MUN Impact – A list of resources*
  https://munimpact.org/resources/general-resources-for-students-and-educators/

- The lazy person's guide to saving the world
  https://www.un.org/sustainabledevelopment/takeaction/
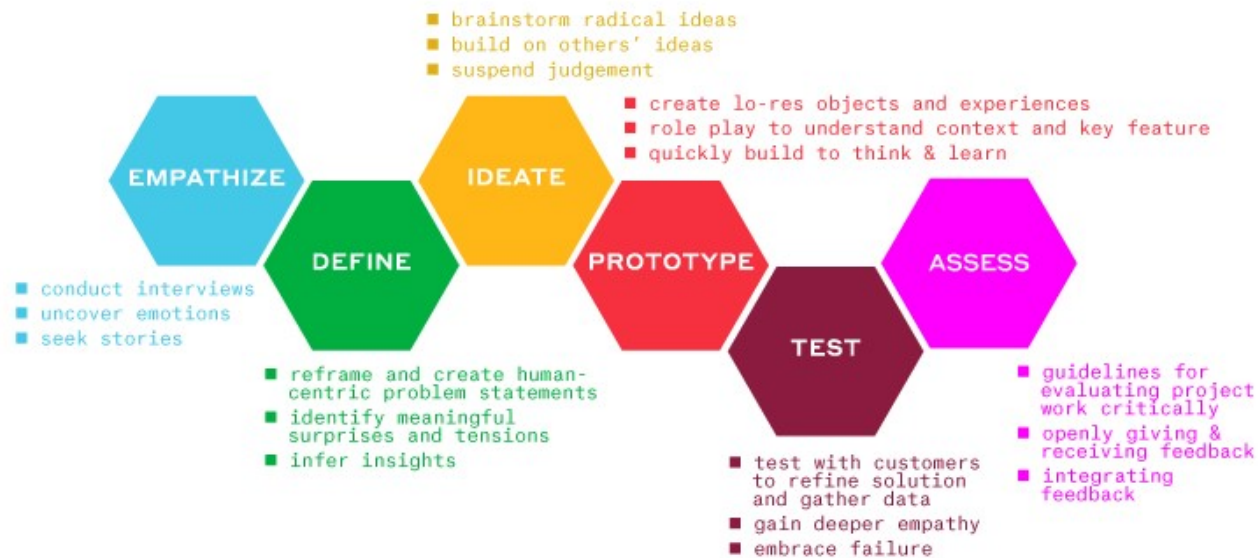
How Libraries ride on the waves?

- IFLA - https://www.ifla.org/libraries-development

- ALA - http://www.ala.org/aboutala/ala-task-force-united-nations-2030-sustainable-development-goals

- ALIA - https://www.alia.org.au/advocacy-and-campaigns/think-global-act-local

- CILIP produced a report on the role of libraries in contributing to the delivery of the goals. https://www.cilip.org.uk/page/SustainableDevelopmentGoalsResources?&hhsearchterms=%22sdg%22

Our experiment

Design Thinking Process Diagram*

- brainstorm radical ideas
- build on others' ideas
- suspend judgement

- create lo-res objects and experiences
- role play to understand context and key feature
- quickly build to think & learn

EMPATHIZE
- conduct interviews
- uncover emotions
- seek stories

DEFINE
- reframe and create human-centric problem statements
- identify meaningful surprises and tensions
- infer insights

IDEATE

PROTOTYPE

TEST
- test with customers to refine solution and gather data
- gain deeper empathy
- embrace failure

ASSESS
- guidelines for evaluating project work critically
- openly giving & receiving feedback
- integrating feedback

d.school Executive Education
Hasso Plattner Institue of Design at Stanford University

*not necessarily linear, apply as needed ©2019

https://empathizeit.com/design-thinking-models-stanford-d-school/

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Empathise & Define: HKU's Needs

https://www.sustainability.hku.hk/

HKU Sustainability Report –
What the Libraries have done?

- Since 2015, **duplicate copies** not used for 6 years or low usage print journals with e-version available have been **relegated to Xiamen University Malaysia Campus**.

- Two **express scanners** installed in the Main Library in 2014 and 2016. Up to October 2020, over 1.1 million pages were scanned by the devices, equating to a monthly average of 16K pages.

- Discounted rates for **duplex printing** since September 2015.

- More **online registration forms** and online **library surveys**.

- Encourage patrons to fill their reusable bottles at **water dispensers** as part of the Ditch Disposable campaign since December 2017

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Spending on Electronic Contents
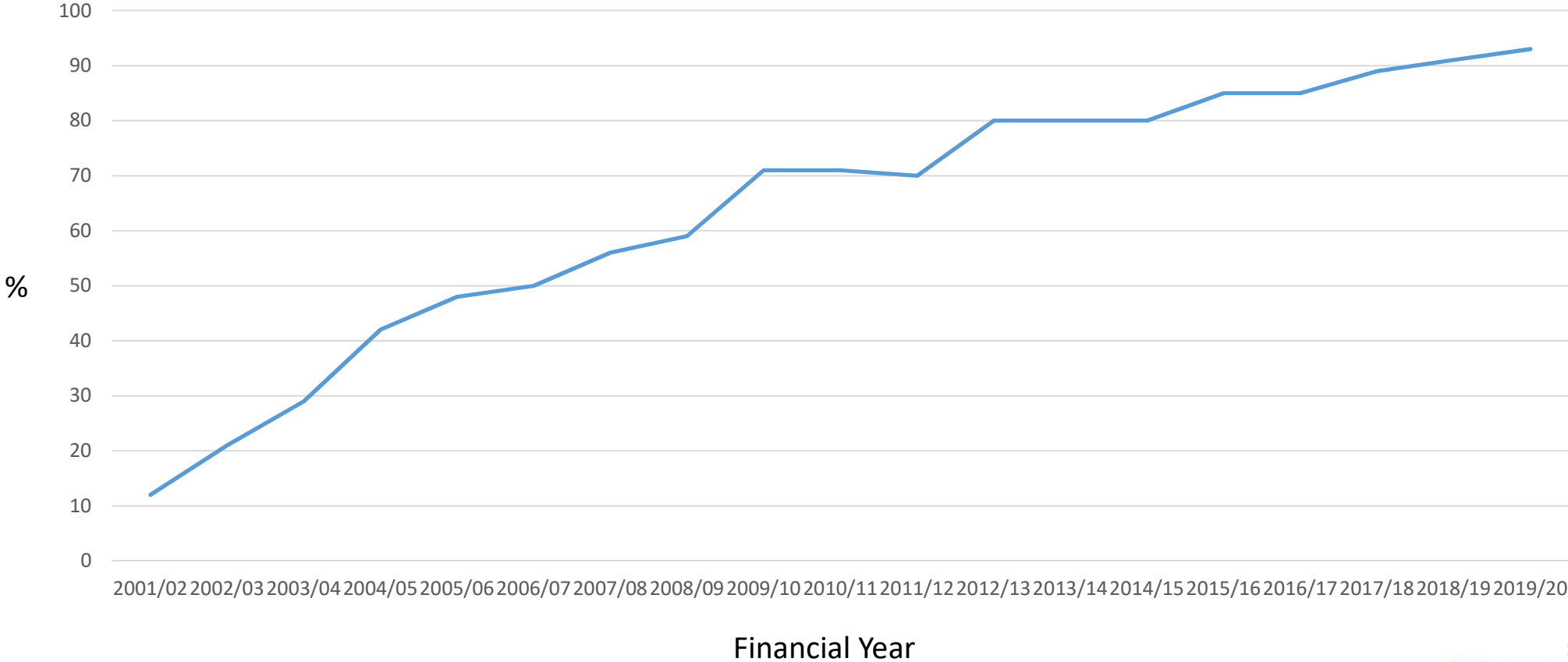
%

Financial Year

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Ideate, Prototype & Test:
Physical Environment X Events

Ideate, Prototype & Test:
Physical Environment X Events

11 SUSTAINABLE CITIES AND COMMUNITIES

Project Home Improvement:
Movable Upgrades and Community Engagment in Hong Kong's
Subdivided Units by Urban Ecologies Design Lab

13 - 31 January 2018

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Sustainable Sunday Couture
Domestic Workers Upcycling Fashion

18 March – 2 April, 2018

Earth Day Celebration x HKU Herb Garden Opening

20 April, 2018

The Herb Garden, opened for Earth Day 2018, Official Earth Day is 22 April, aims to promote sustainable living and human-nature connection.

The day's event at the Herb Garden Opening included music, workshops, and herbal tea made from the Herb Garden's fresh produce!

4 QUALITY EDUCATION

11 SUSTAINABLE CITIES AND COMMUNITIES

17 PARTNERSHIPS FOR THE GOALS

Ann Kildahi, Sustainability Manager, HKU Sustainability Office, Peter Sidorko, University Librarian, Dr Wong Chi Chung, Assistant Director, General Education Unit

Resident Therapy Dog Jasper Sessions is a hit!

Based on the strong support for the Therapy Dog Pilot Programme held in December 2017, the Libraries continued the programme during the May 2018 assessment period with additional sessions throughout the semester.

Exercise is Medicine Month Walk

10 May, 2018

The Centre for Sports and Exercise held their Exercise is Medicine Month in May 2018. Jasper supported a group walk along University Street and did some stretching at the Centennial Campus Bricks Wall.

Clockwise: Main Library, Education Library, Music Library and Law Library

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

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Ideate, Prototype & Test:
Virtual Environment X Resources

- **Reading list for SDGs**

- **SDG banner exhibition**

- **Webpage for SDG (https://www.hkulsdg.hku.hk/)**

- **The workshop you are attending**

- **And more to come!**

**4 QUALITY EDUCATION**

17 PARTNERSHIPS FOR THE GOALS

1. NO POVERTY

The End of Development :
A Global History of Poverty and Prosperity
by Andrew Brooks
Main Library Books   339.46 B87

SDG1 – No Poverty : Making the Dream a Reality
by Katarzyna Cichos
View online via ReadingList@HKUL

The Global Child Poverty Challenge :
In Search of Solutions
by Richard Morgan
Main Library Books   362.77569 G56 M

The Ethics of Global Poverty : An Introduction
by Scott Wisor
Main Library Books   174.4 W815 e84

Development and Poverty Reduction :
A Global Comparative Perspective
by Yongnian Zheng
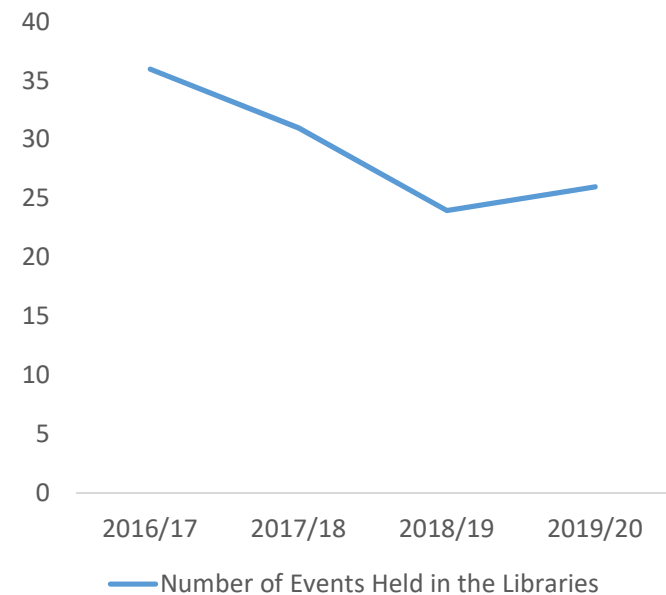View online via ReadingList@HKUL
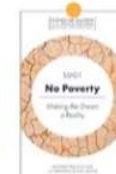
Assess (Activity Levels & Comments)

- Number of events
- Number of participants
- Usage data
- User feedbacks

"Library workshops, classes and tutorials help me with my learning and research needs" (Narrowest gap in 2019 user survey: -0.03)

Number of Events Held in the Libraries

Number of Events Held in the Libraries

Assess (Societal Impact)

UN SDG Profile of

University of Hong Kong (HKU)
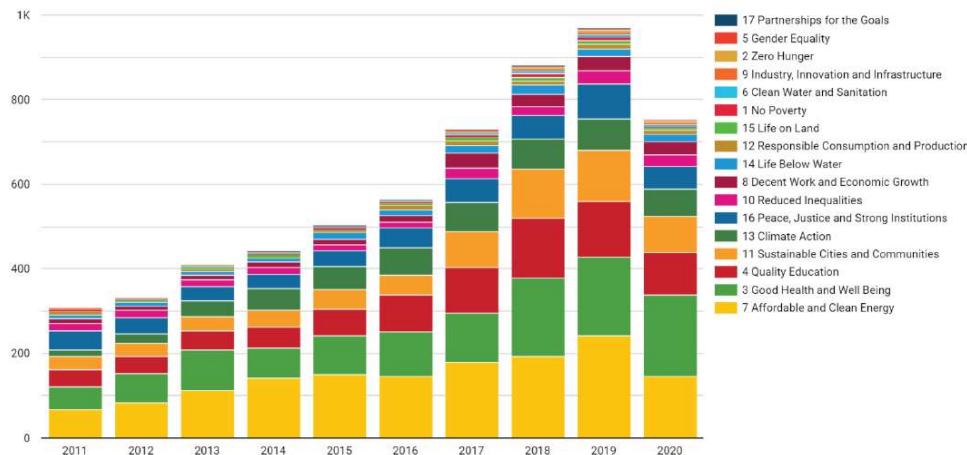
Analyzed and compiled by iCS Research

SDG Profile of HKU

HKU shows research strengths in 7. Clean Energy, and 3. Good Health and Well Being

HKU needs to improve the visibility of its highly cited publications in SDG 7, 9 & 12.

Number of publications per year and SDG

Legend:
- 17 Partnerships for the Goals
- 5 Gender Equality
- 2 Zero Hunger
- 9 Industry, Innovation and Infrastructure
- 6 Clean Water and Sanitation
- 1 No Poverty
- 15 Life on Land
- 12 Responsible Consumption and Production
- 14 Life Below Water
- 8 Decent Work and Economic Growth
- 10 Reduced Inequalities
- 16 Peace, Justice and Strong Institutions
- 13 Climate Action
- 11 Sustainable Cities and Communities
- 4 Quality Education
- 3 Good Health and Well Being
- 7 Affordable and Clean Energy

Source: Digital Science's Dimensions, 2009-2020

SDG	Publications	Citations	Citations (mean)	Publications with attention (%)
7 Affordable and Clean Energy	920	12,700	13.8	18.26
3 Good Health and Well Being	809	11,097	13.72	62.3
4 Quality Education	581	3,252	5.6	35.63
11 Sustainable Cities and Communities	465	4,517	9.71	30.32
13 Climate Action	352	4,528	12.86	44.03
16 Peace, Justice and Strong Institutions	297	938	3.16	46.13
8 Decent Work and Economic Growth	143	801	5.6	41.96
10 Reduced Inequalities	125	561	4.49	32.8
14 Life Below Water	93	1,257	13.52	79.57
12 Responsible Consumption and Production	53	555	10.47	9.43
15 Life on Land	37	627	16.95	75.68
1 No Poverty	30	122	4.07	40
6 Clean Water and Sanitation	23	325	14.13	60.87
9 Industry, Innovation and Infrastructure	18	132	7.33	5.56
2 Zero Hunger	16	92	5.75	68.75
5 Gender Equality	11	51	4.64	63.64
17 Partnerships for the Goals	6	15	2.5	50
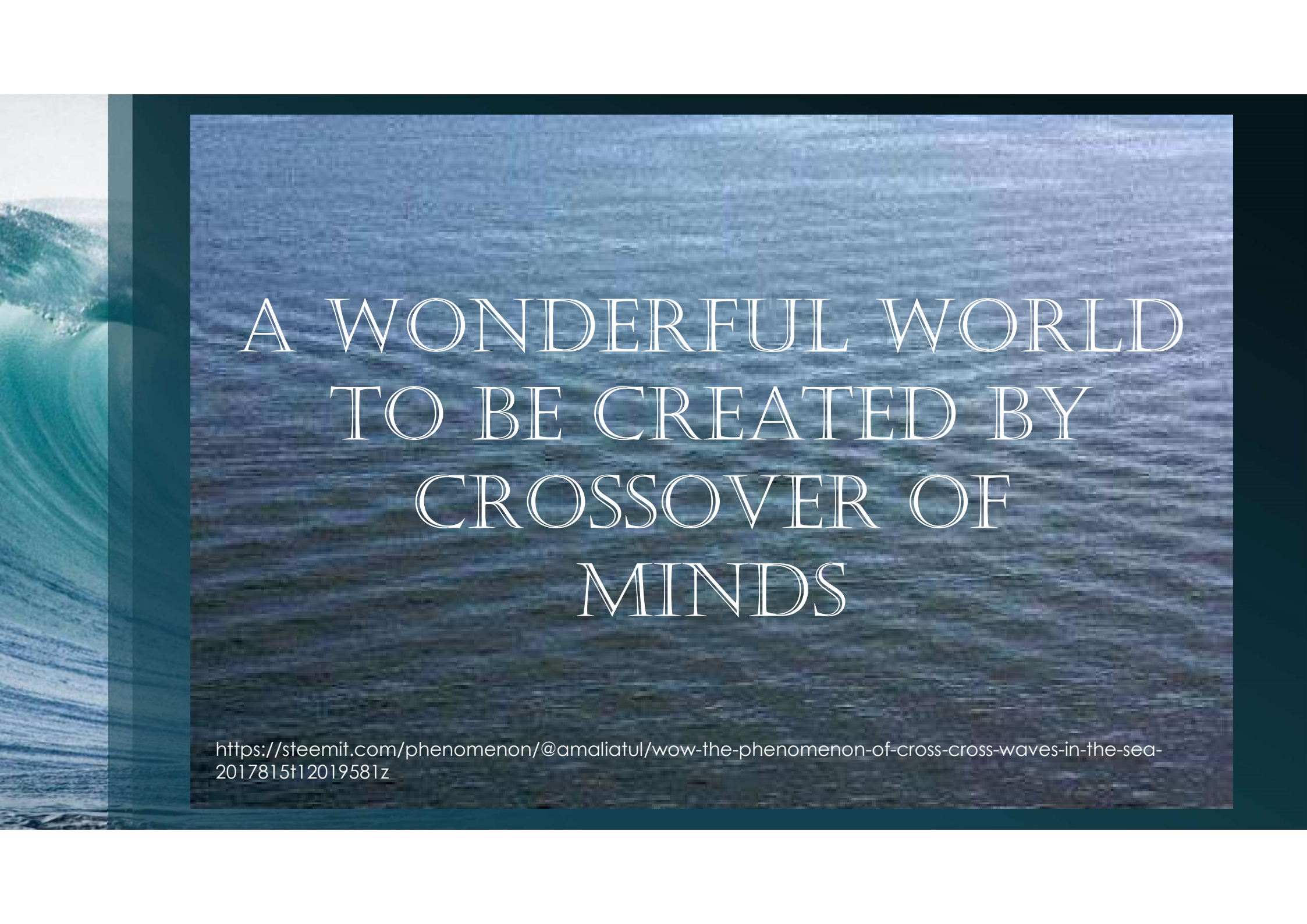
Source: Digital Science's Dimensions, 2016-2020

URL Link
Digital Science reported only 10% of research output relates to the SDG impact

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Reflection

- Reach out to your service recipients

- Focus on a few SDGs at the beginning

- Make use of resources available creatively

- Understand your capacity and strengths

- Join forces to build sustainable partnership (Internal an External) and learn from each other

A WONDERFUL WORLD TO BE CREATED BY CROSSOVER OF MINDS