

Dario Rodighiero

Representing Scientific Communities

Second Lecture – Design Applied

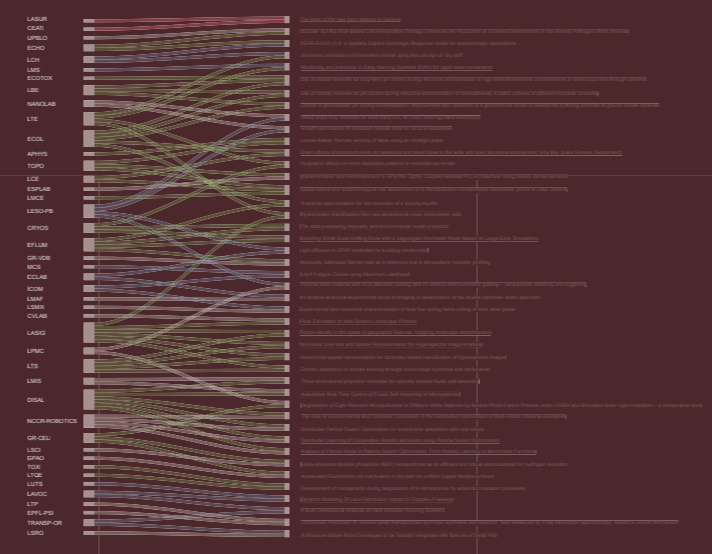
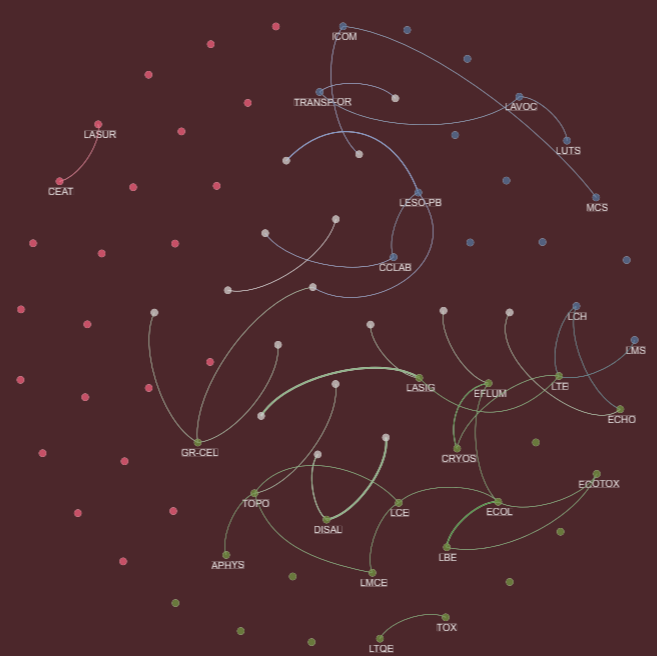
Today

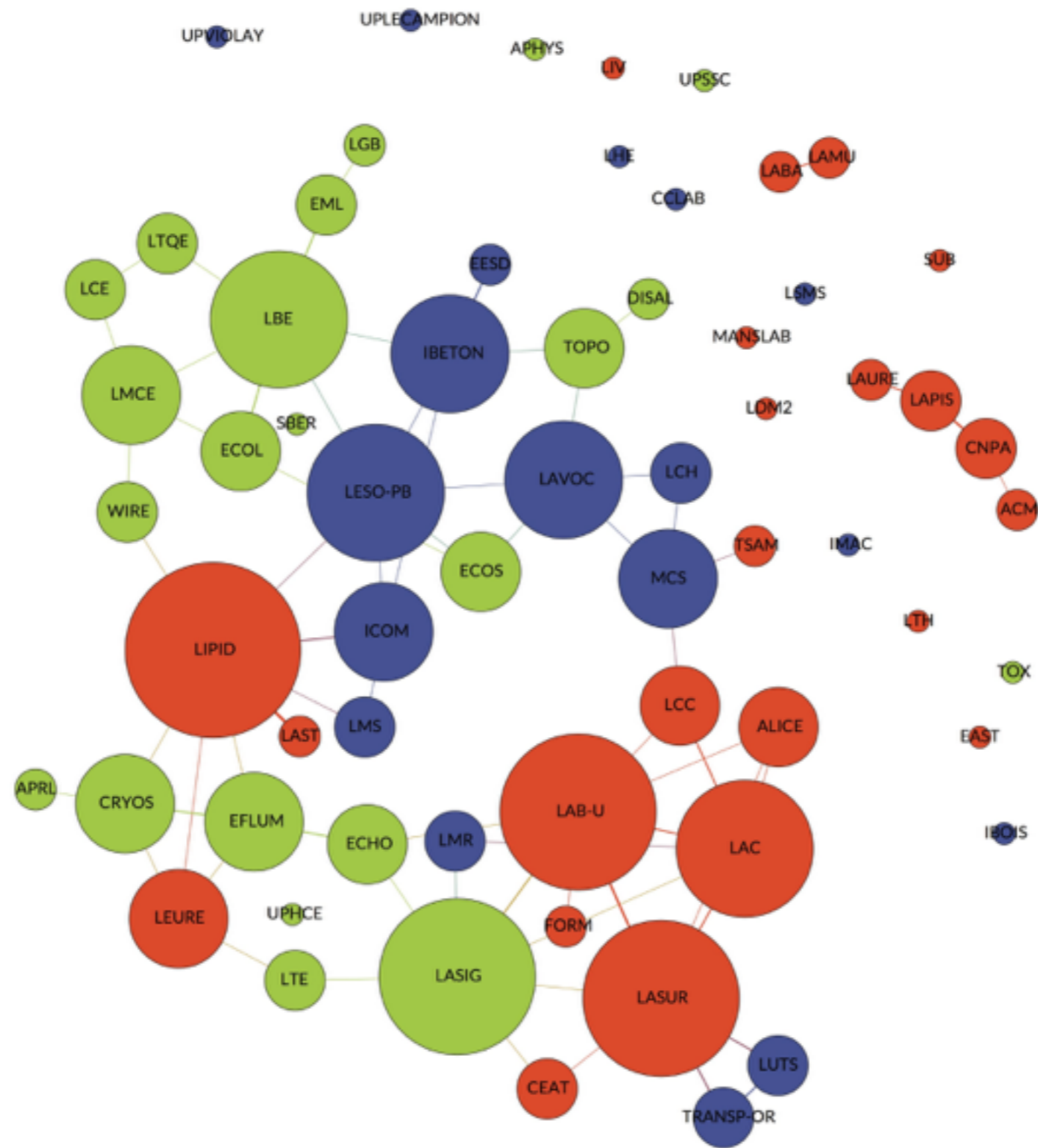
- Concept I – Networks
- Concept II – Scale and filters
- Concept III — Trajectories
- Concept IV — Distant View
- Concept V — Utopia of the perfect network
- Concept VI — Pyramid
- Concept VII — Appropriation
- Concept VIII — Materiality
- Current Design

Concept I – Networks

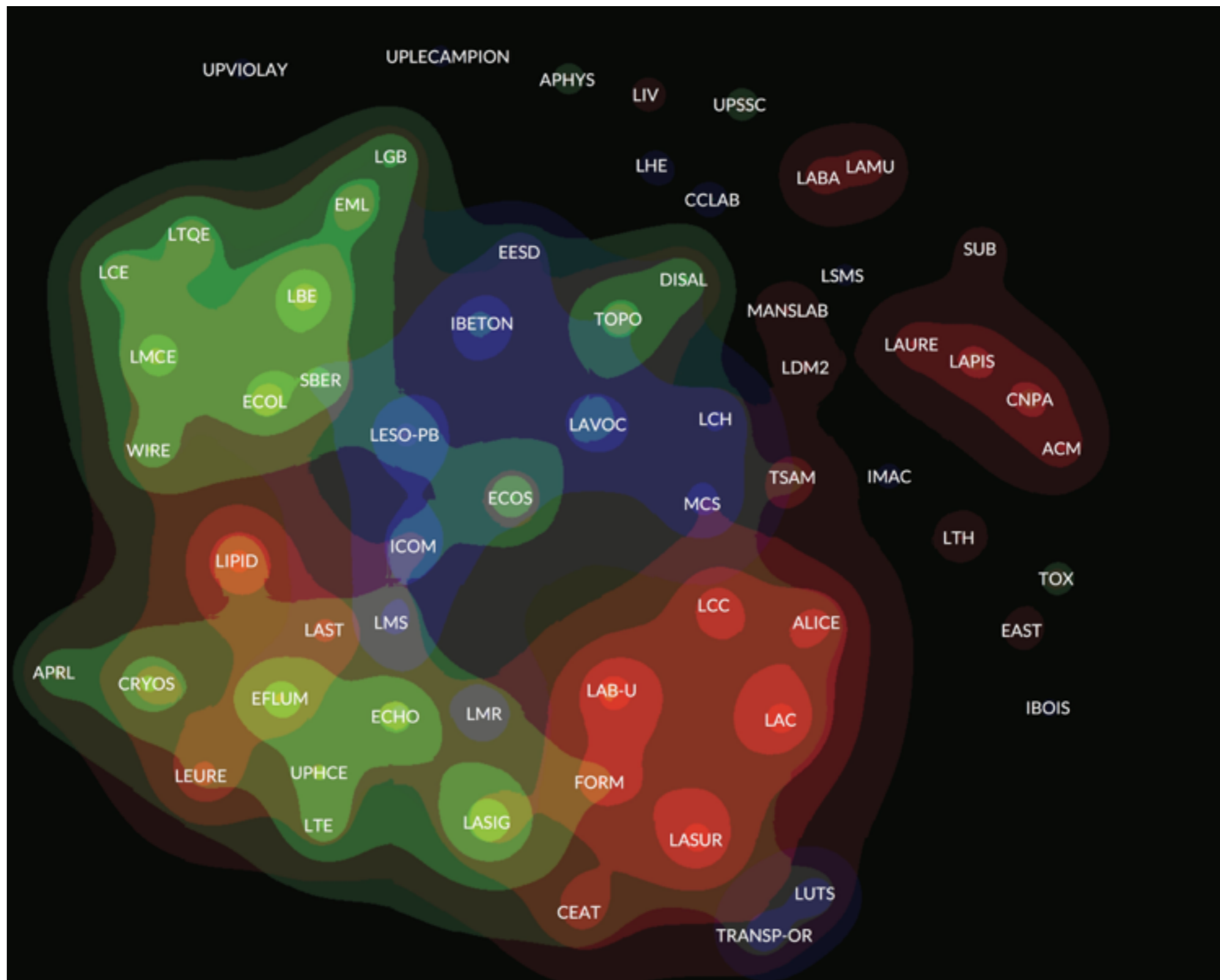
CO-AUTHORING AT ENAC IN 2014

Rodighiero Dario
Boudemagh Emina
DHLAB EPFL





2014 ENAC Publications



2014 ENAC Publications by Hectograph by médialab of Sciences Po

Concept II – Scale and filters



EPFL laboratories arranged by common publications in 2014

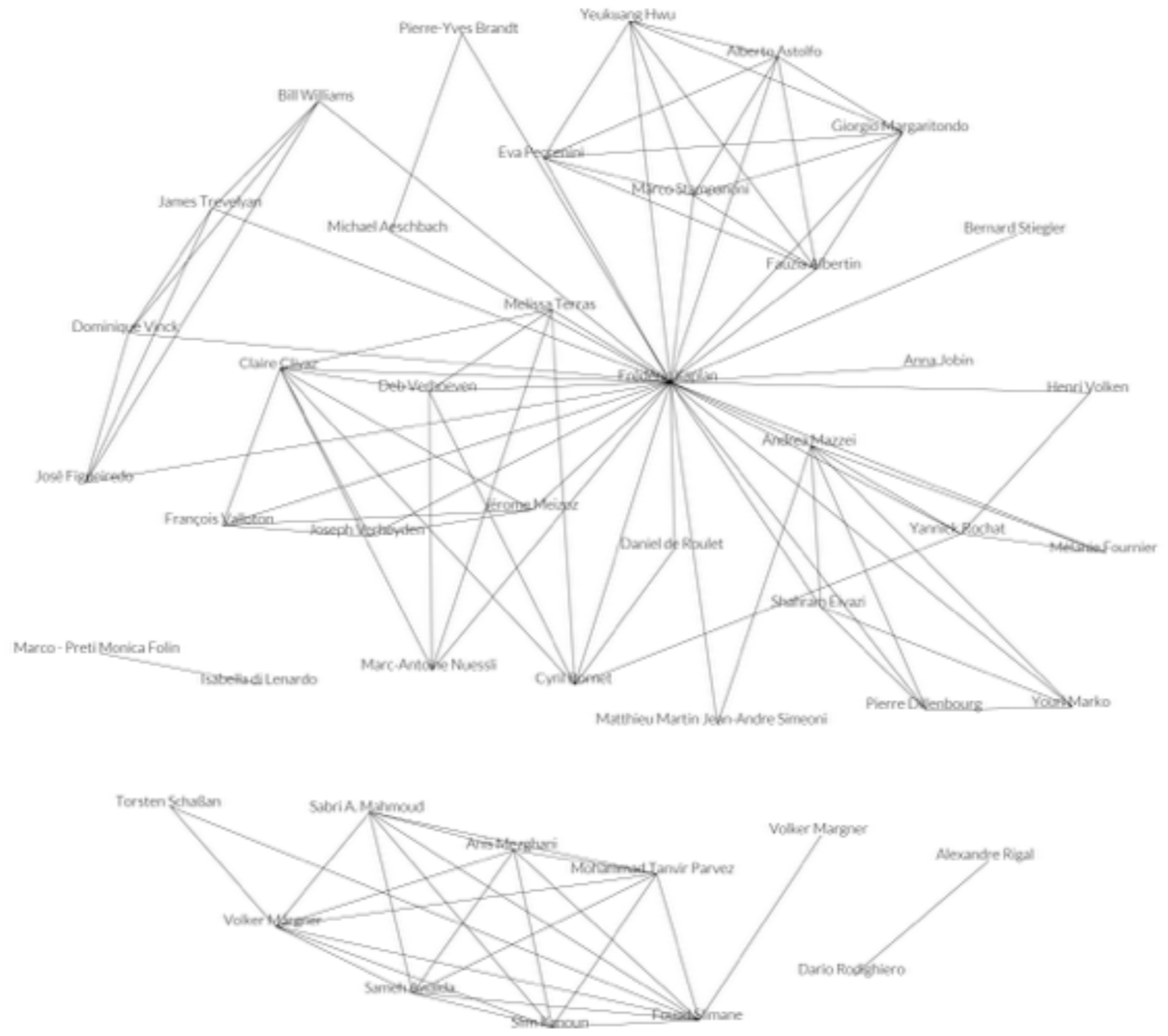


ENAC laboratories in the EPFL context

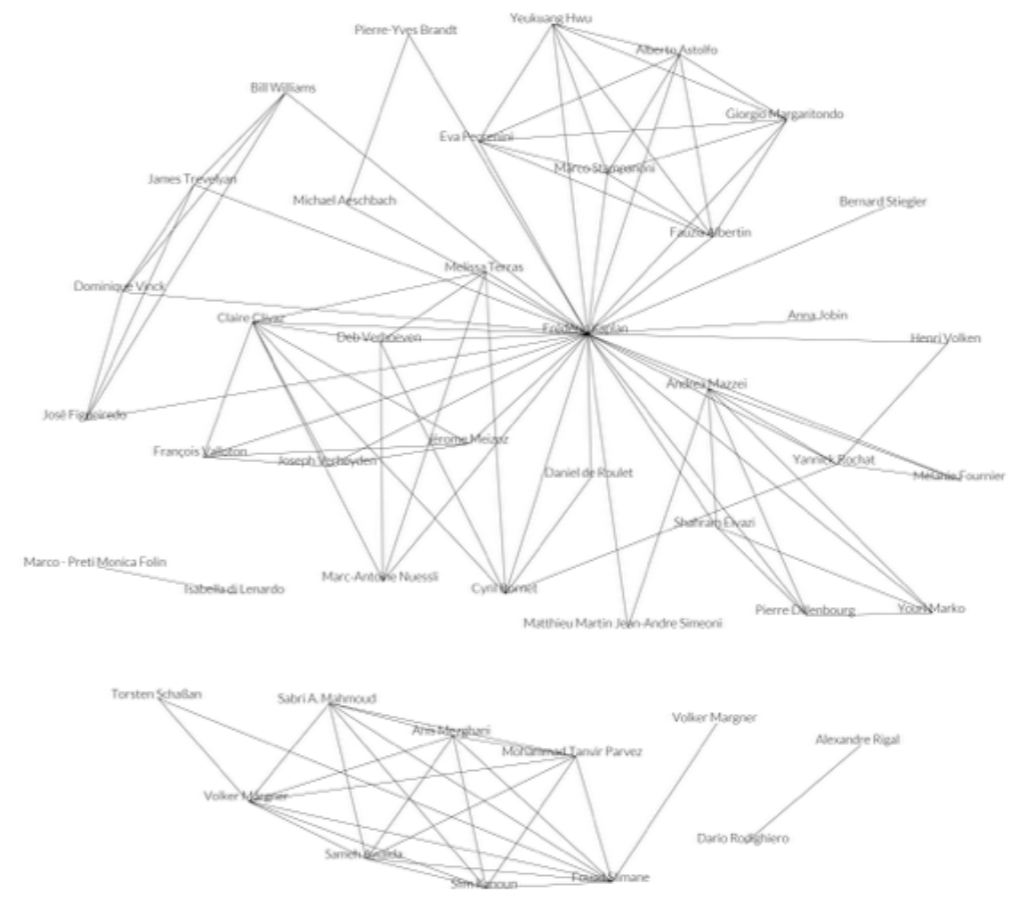
Concept III — Trajectories



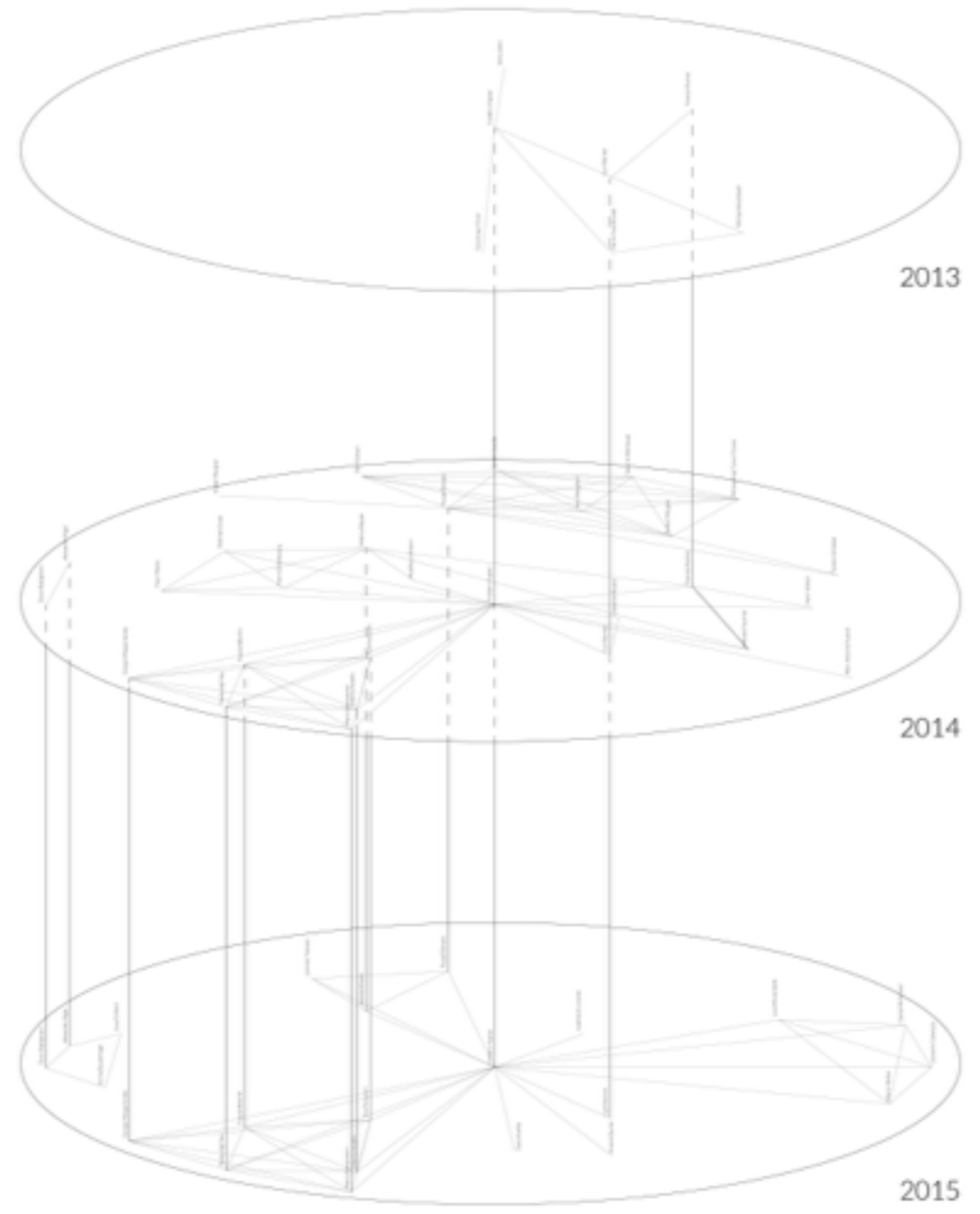
Timeline of DHLAB



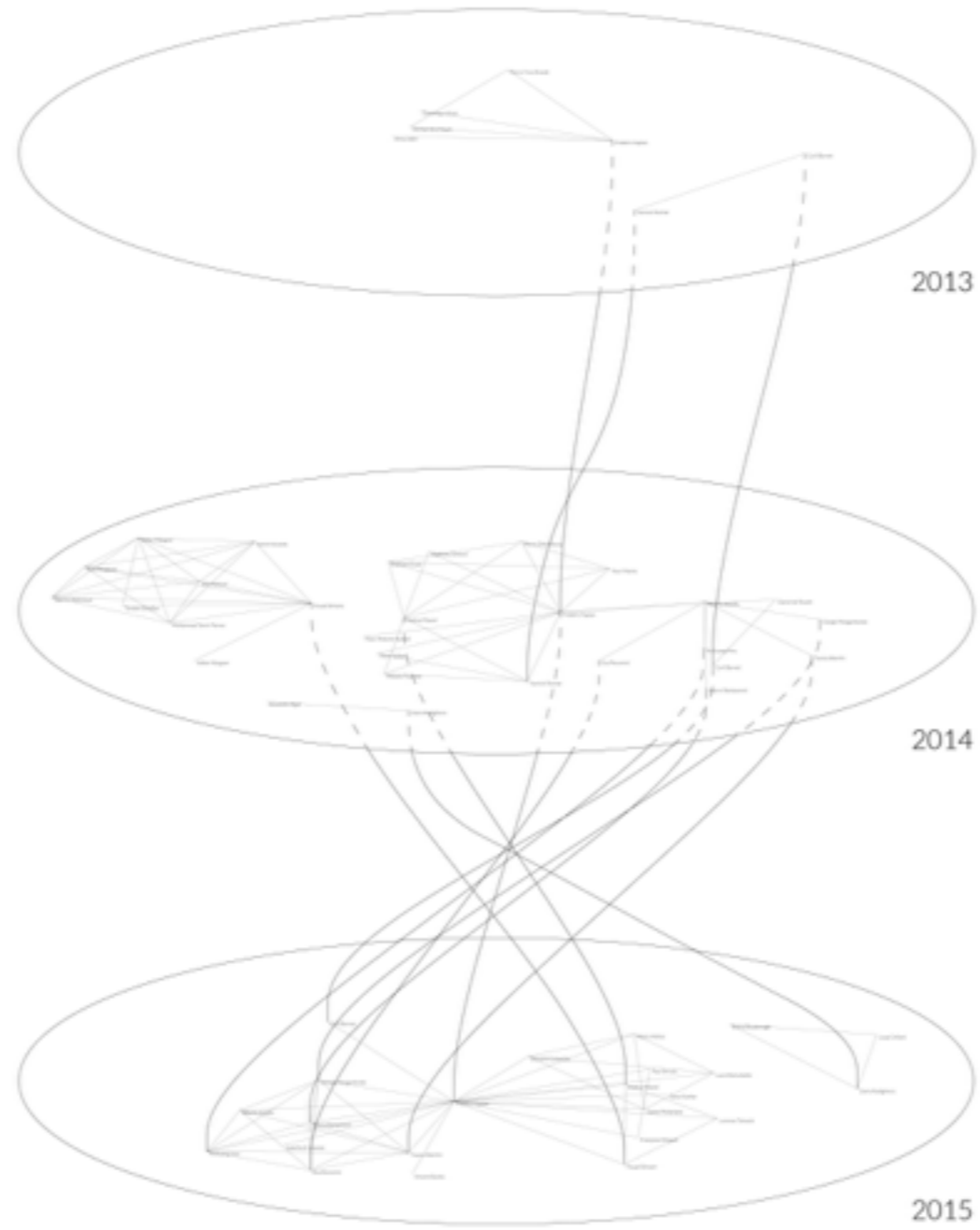
Network of DHLAB



Timeline and Network of collaborations inside the DHLAB

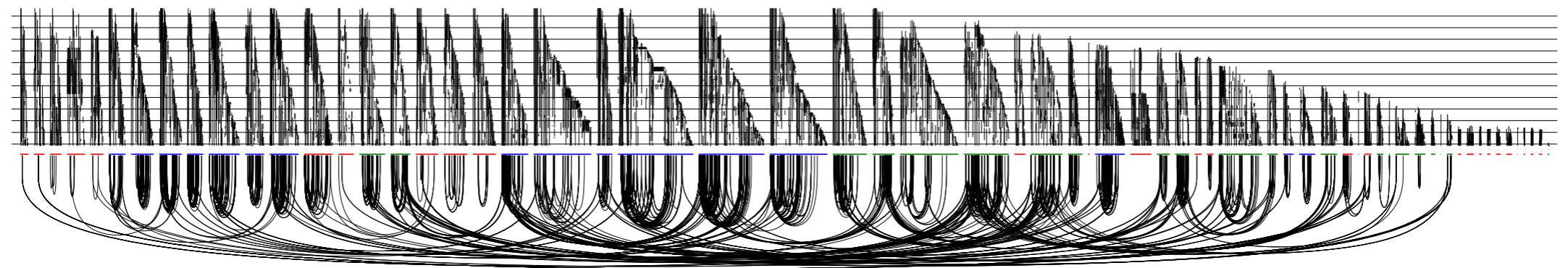


First try of the trajectory tool representing the DHLAB

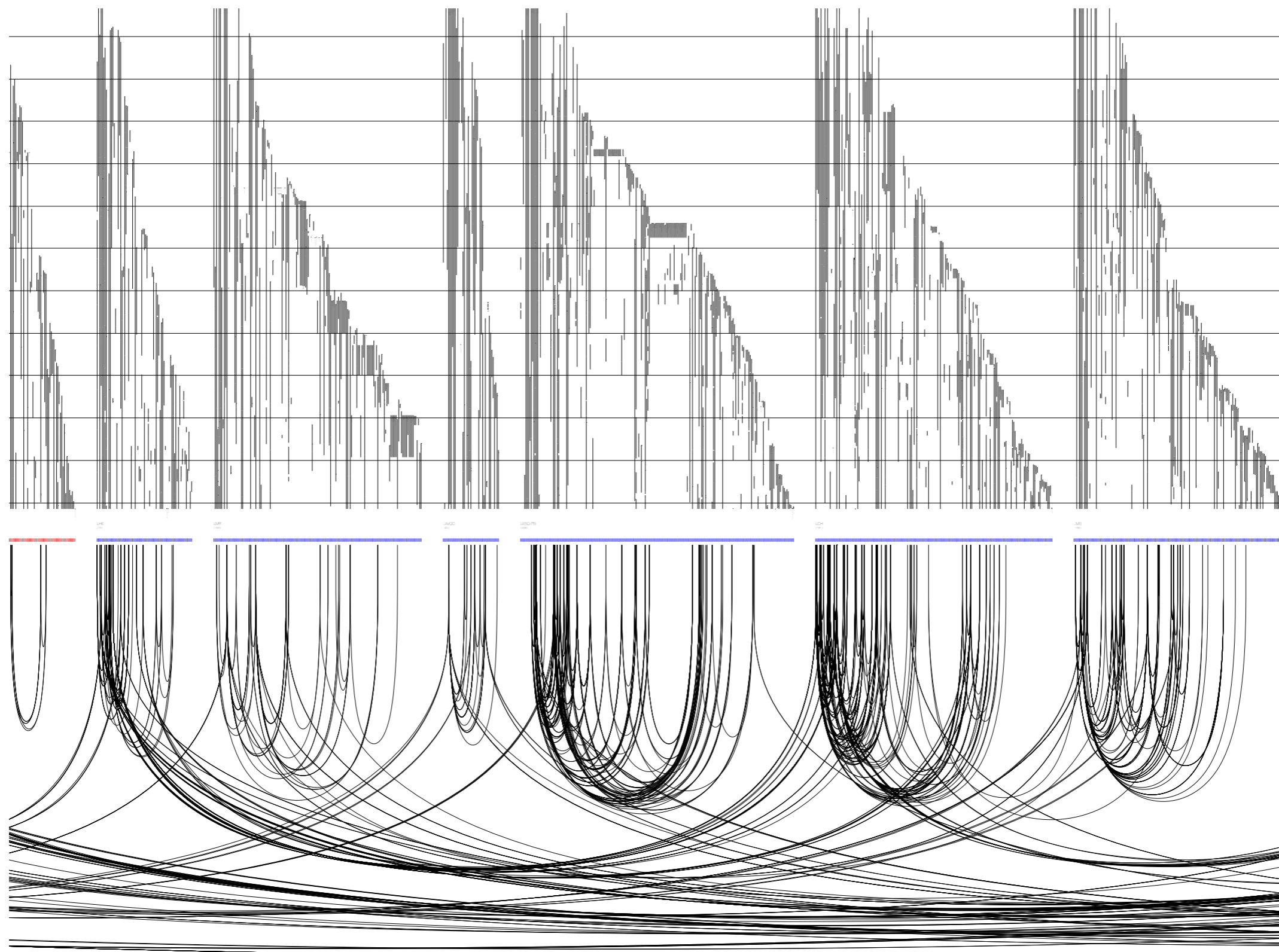


Second try of the trajectory tool representing the DHLAB

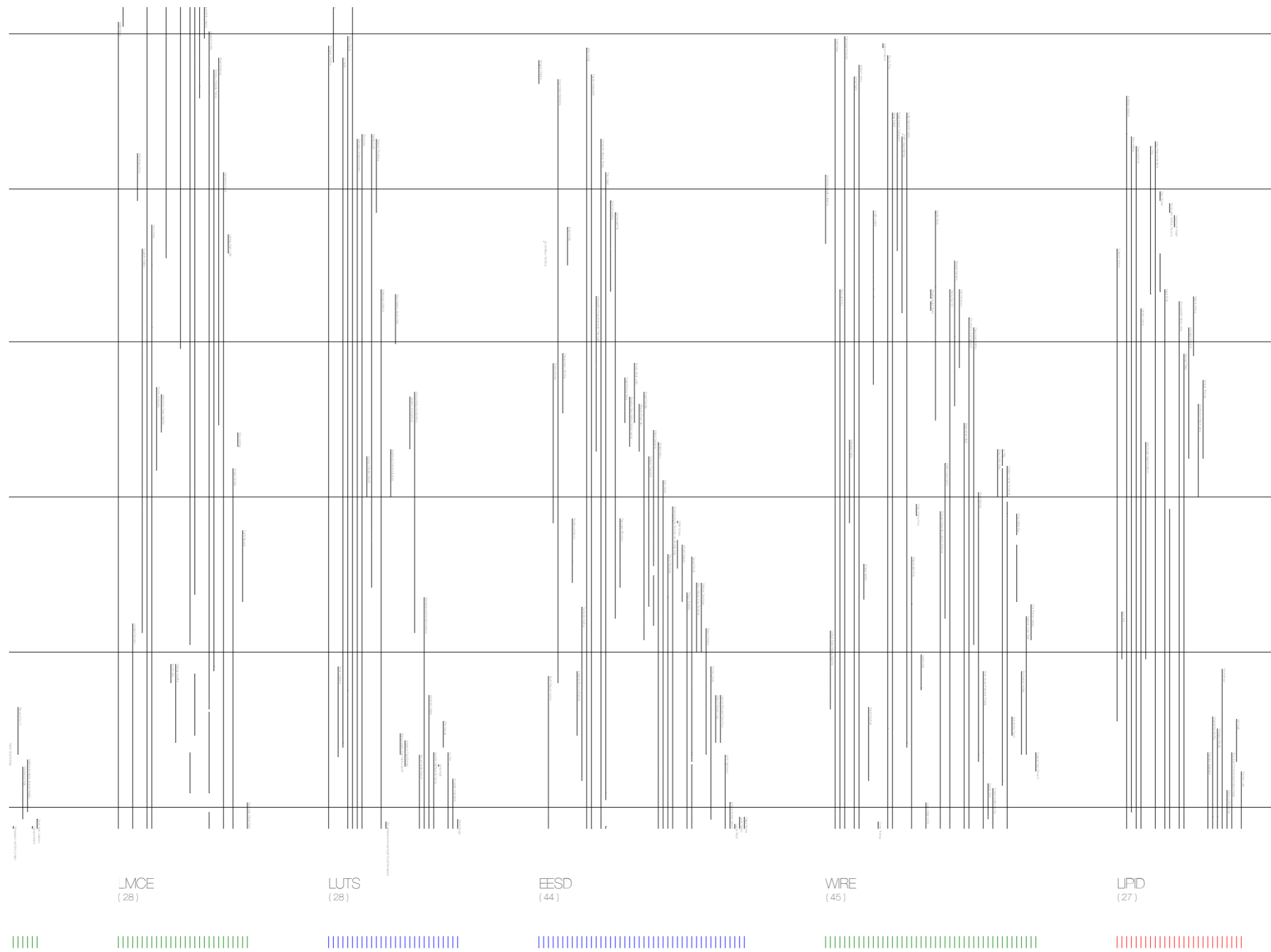
Concept IV — Distant View



Timeline visualization 1/3

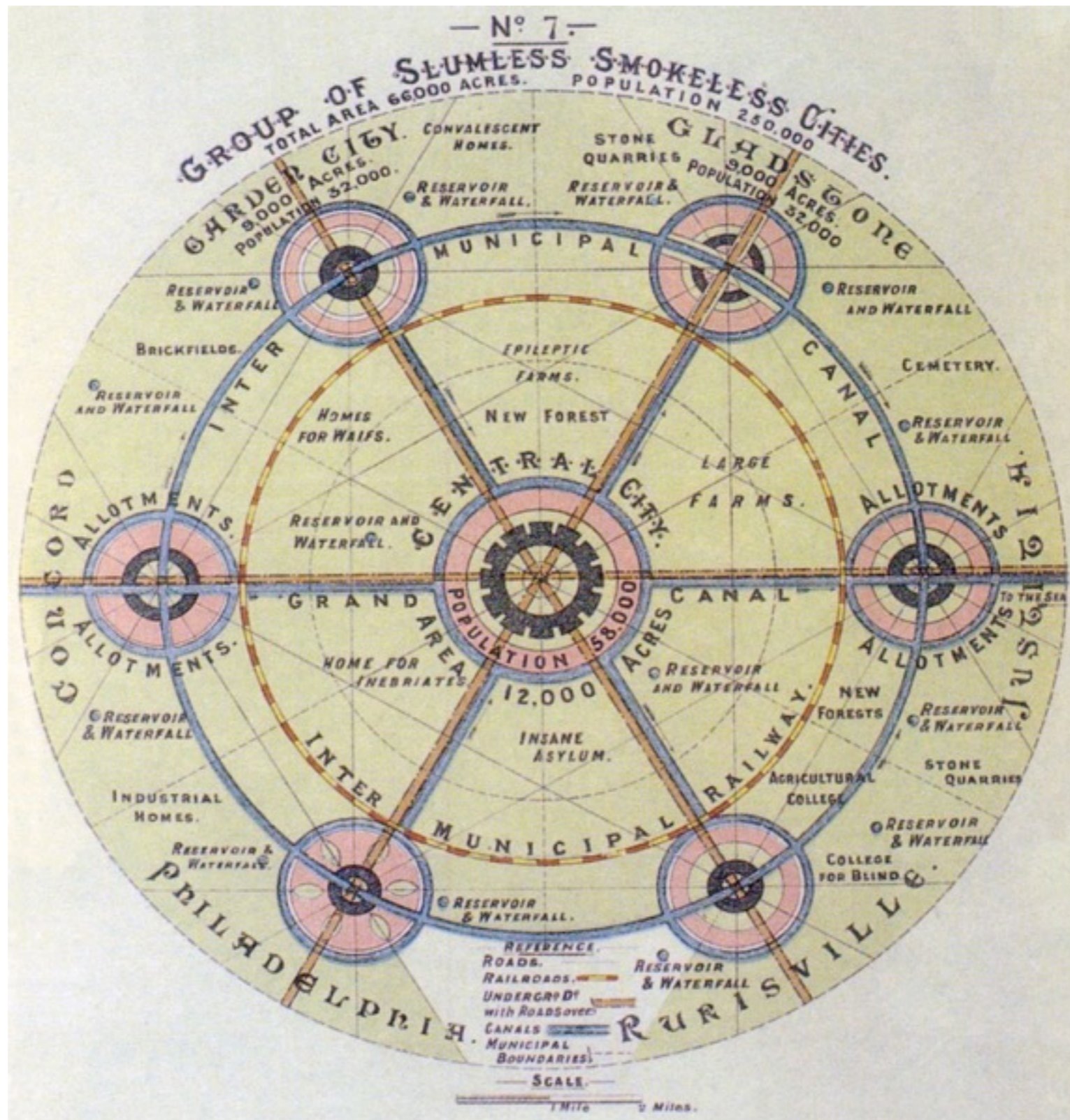


Timeline visualization 2/3

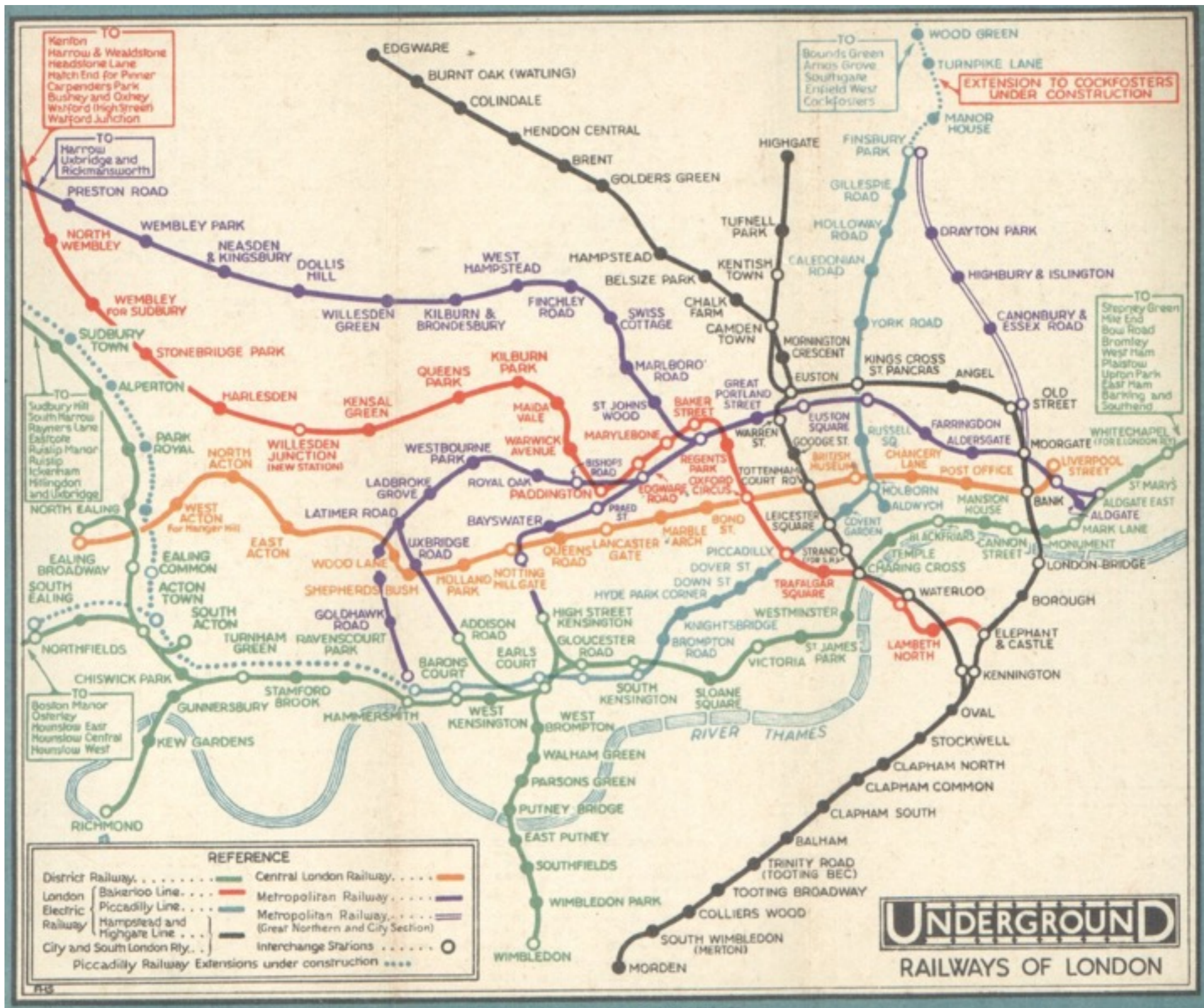


Timeline visualization 3/3

Concept V — Utopia of the perfect network



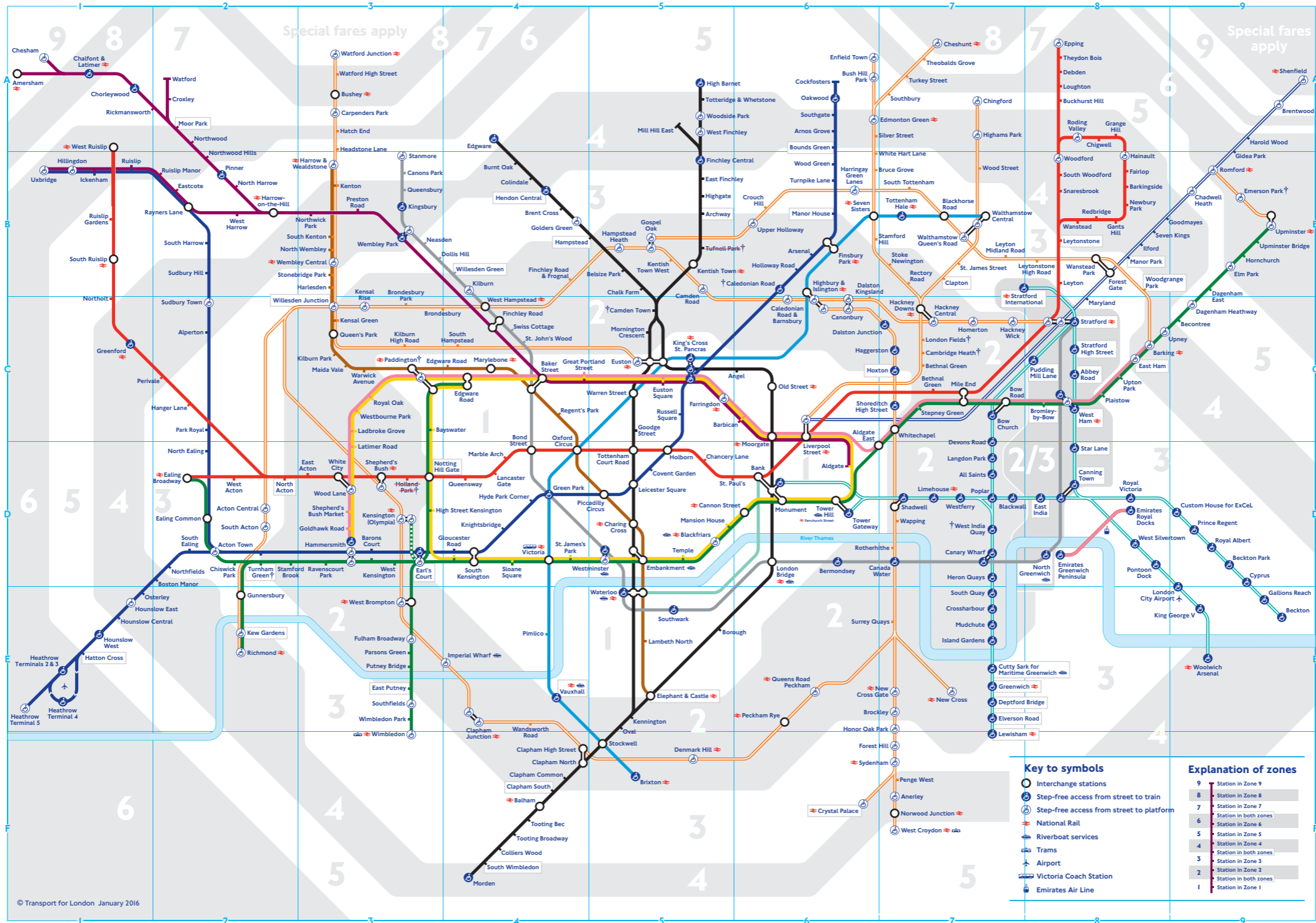
*Utopia of the representation
The garden city utopia: a critical biography of Ebenezer Howard*



Before Harry Beck

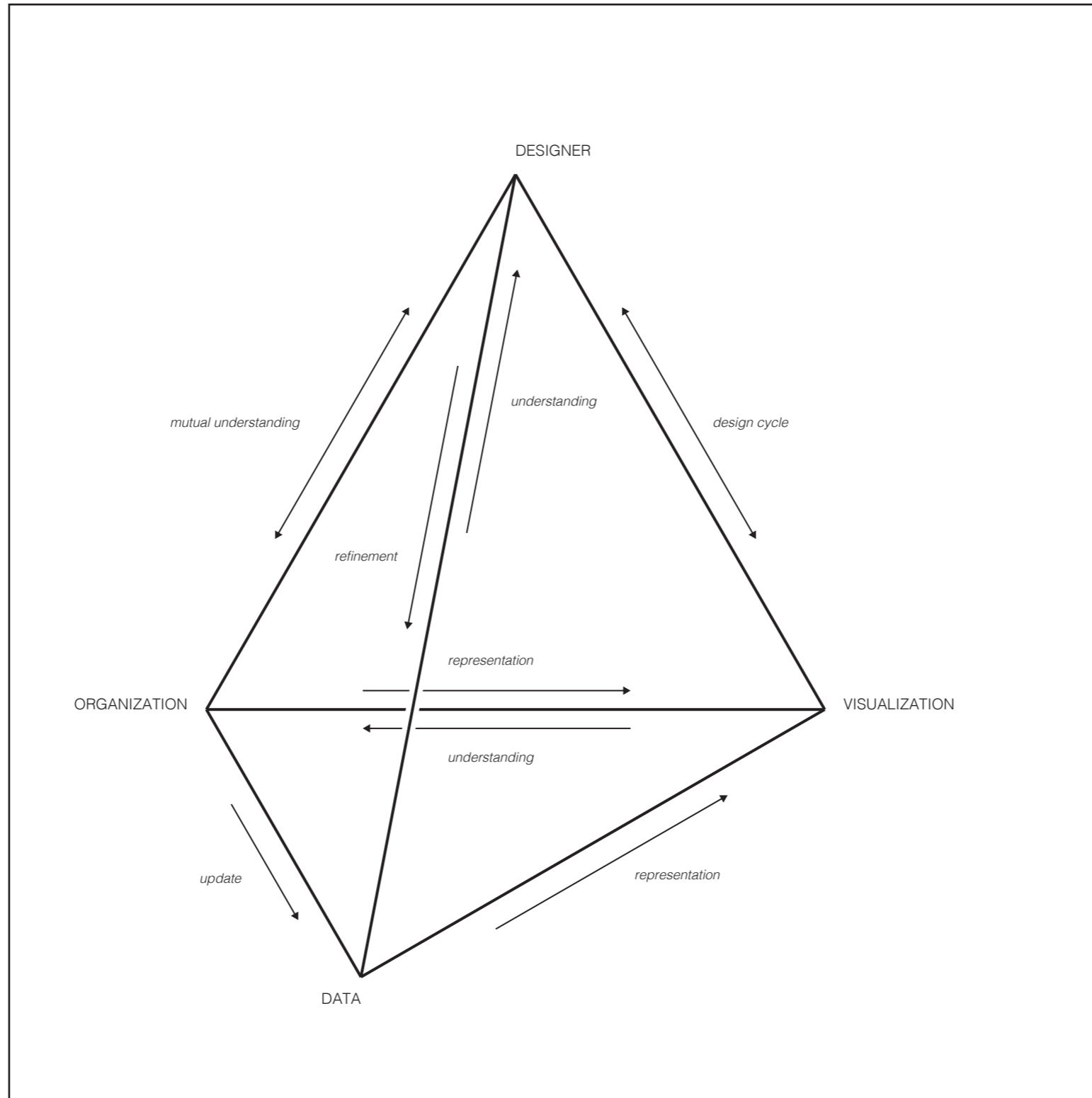


After Harry Beck

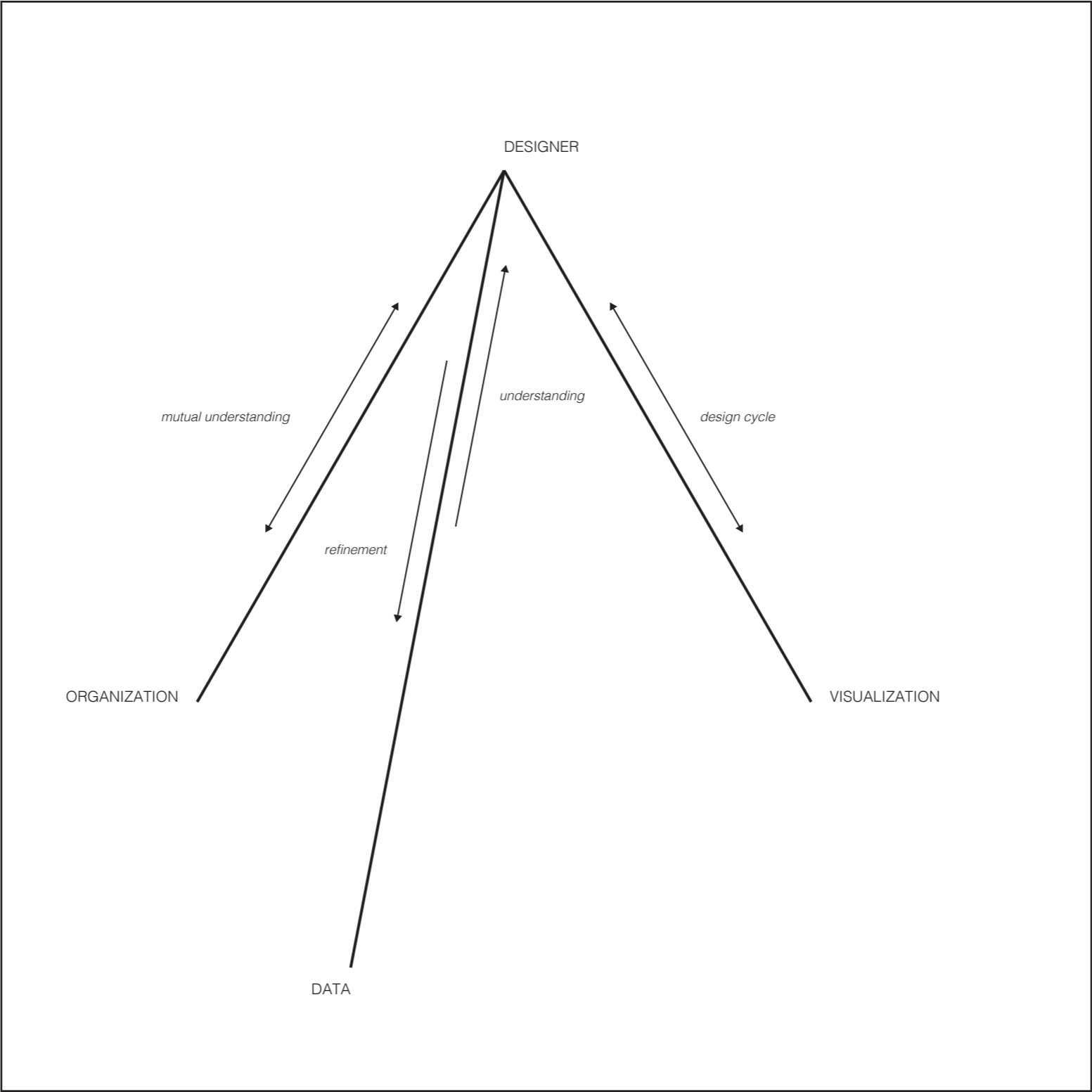


Now

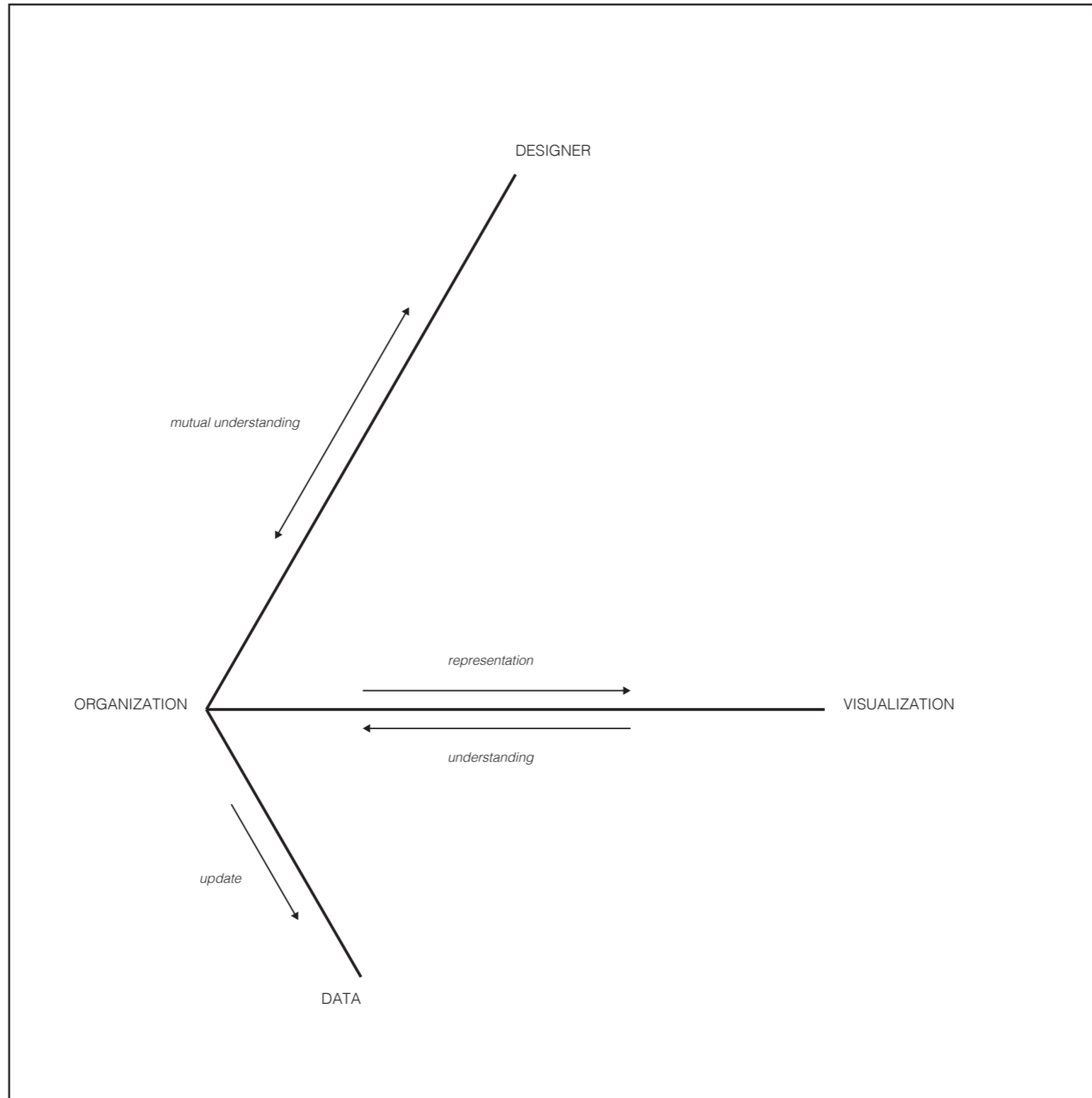
Concept VI — Pyramid



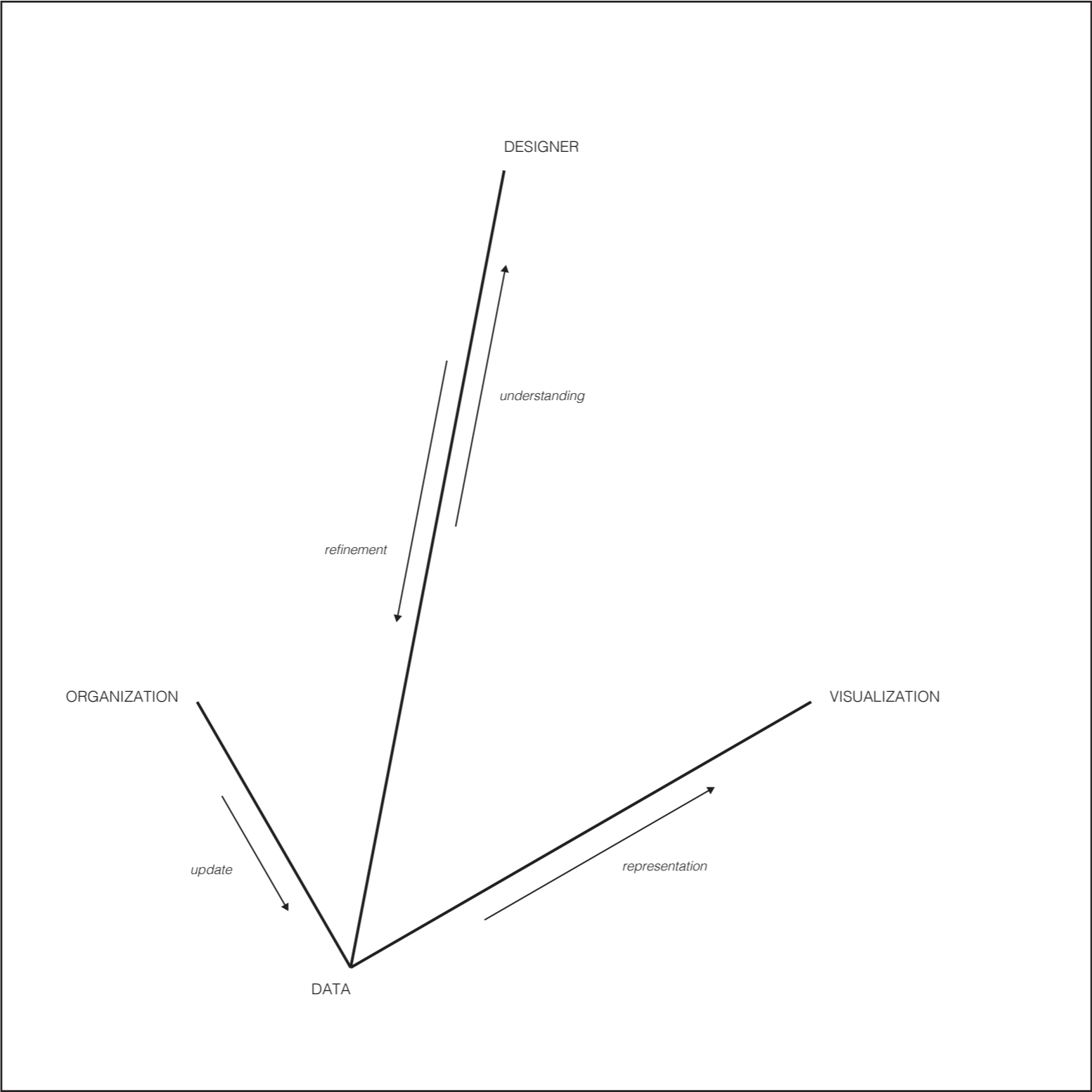
Pyramid



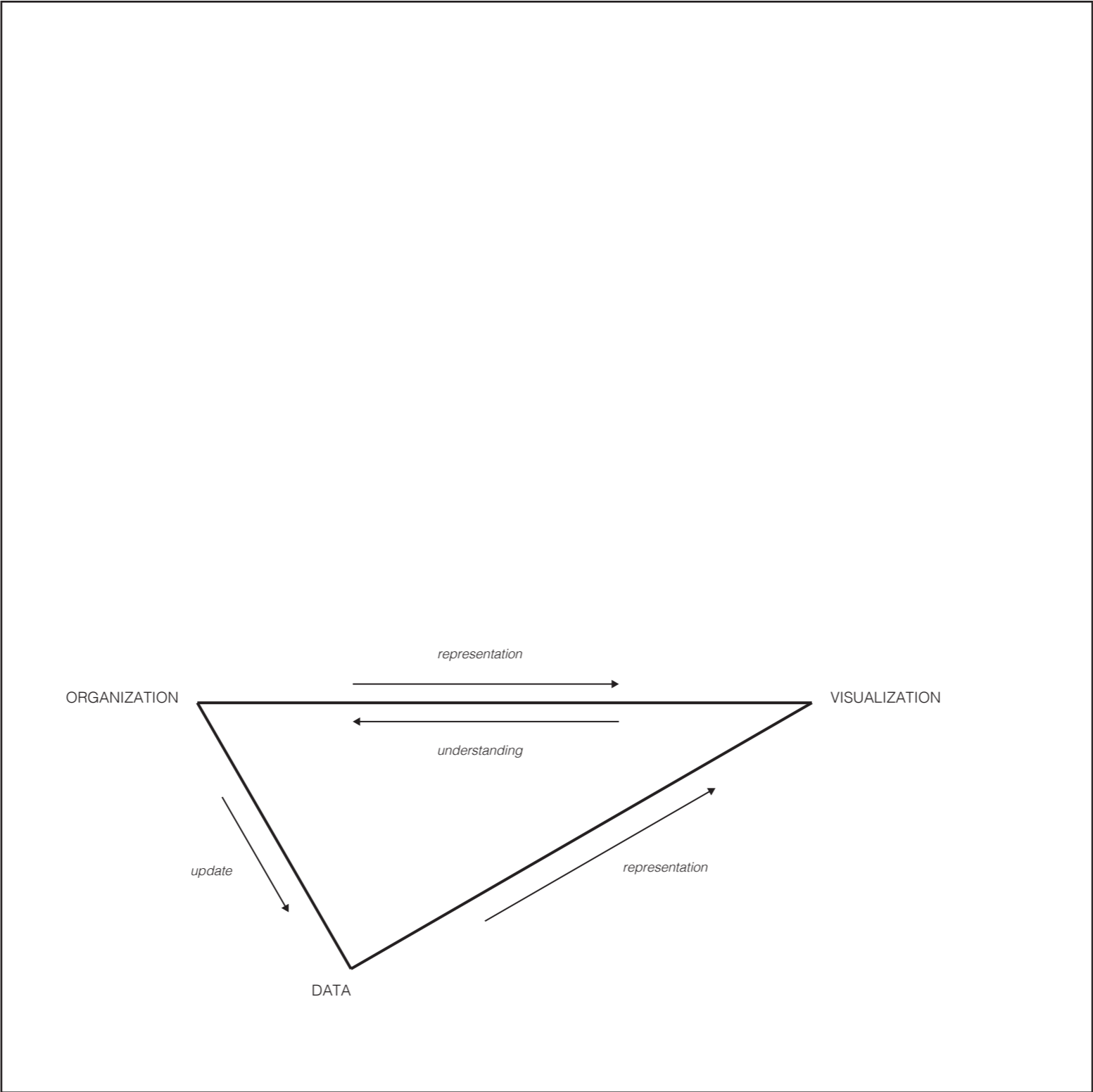
Pyramid - designer



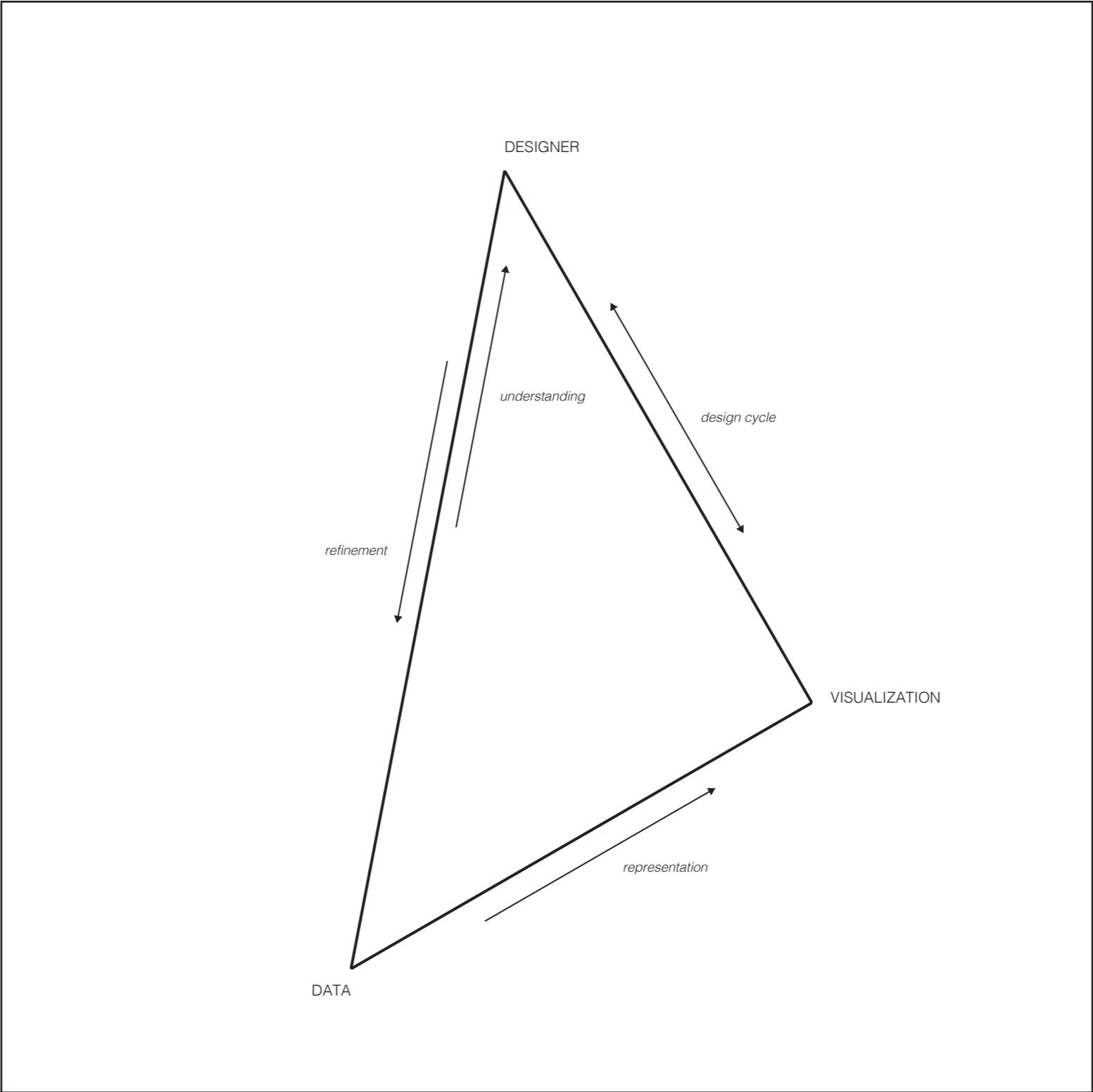
Pyramid - reader



Pyramid - data

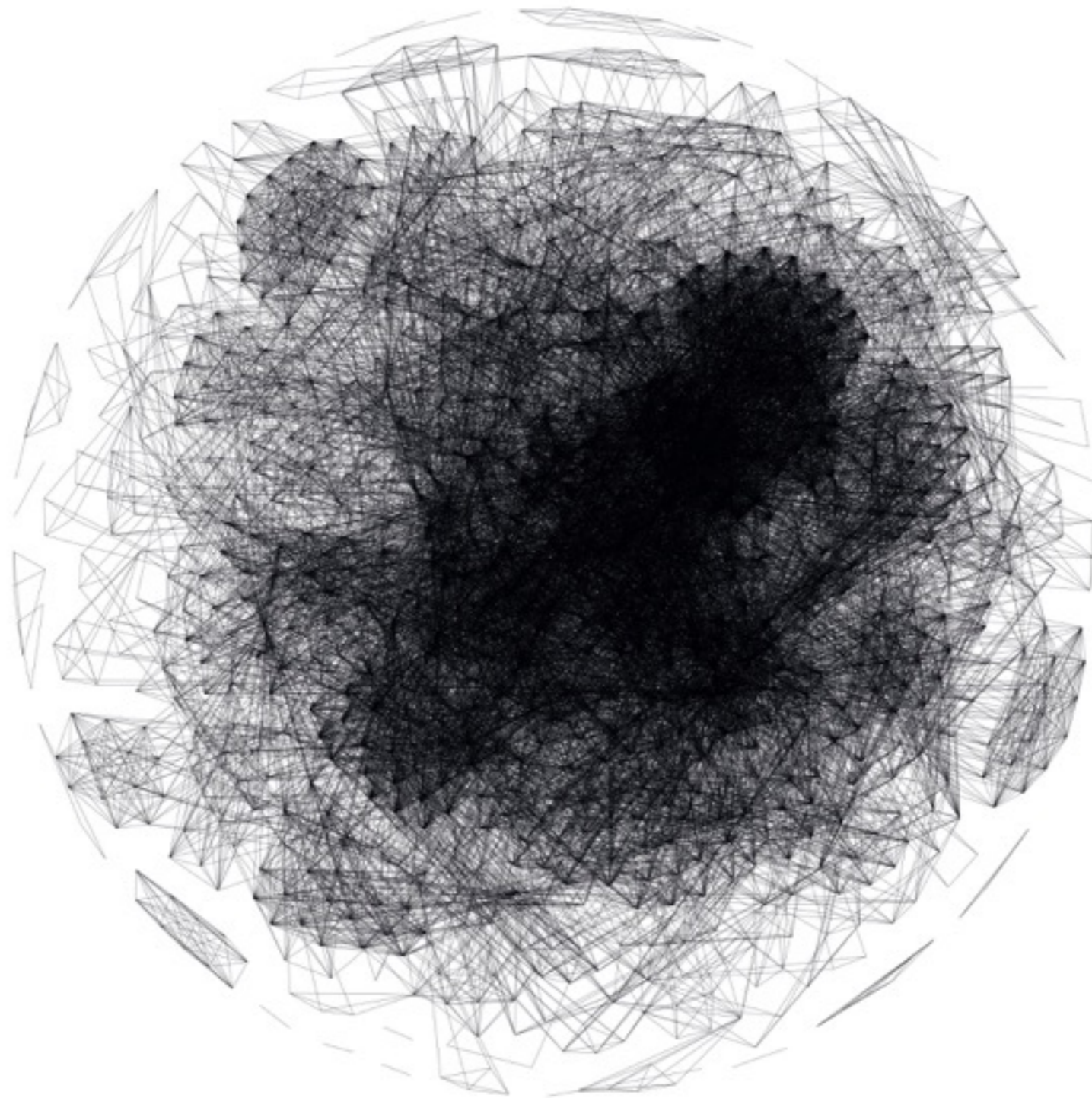


Pyramid - cycle I

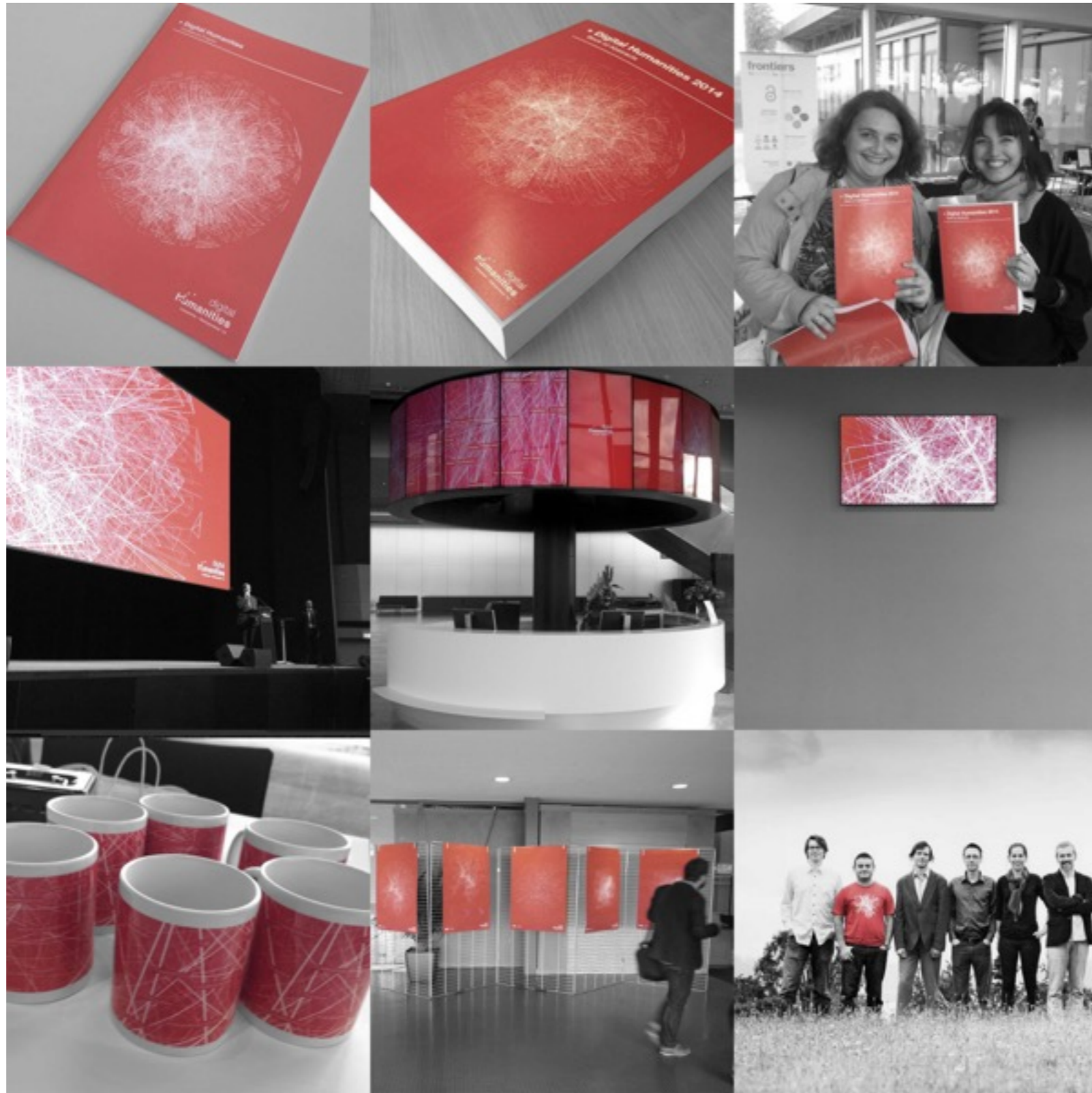


Pyramid - cycle II

Concept VII — Appropriation



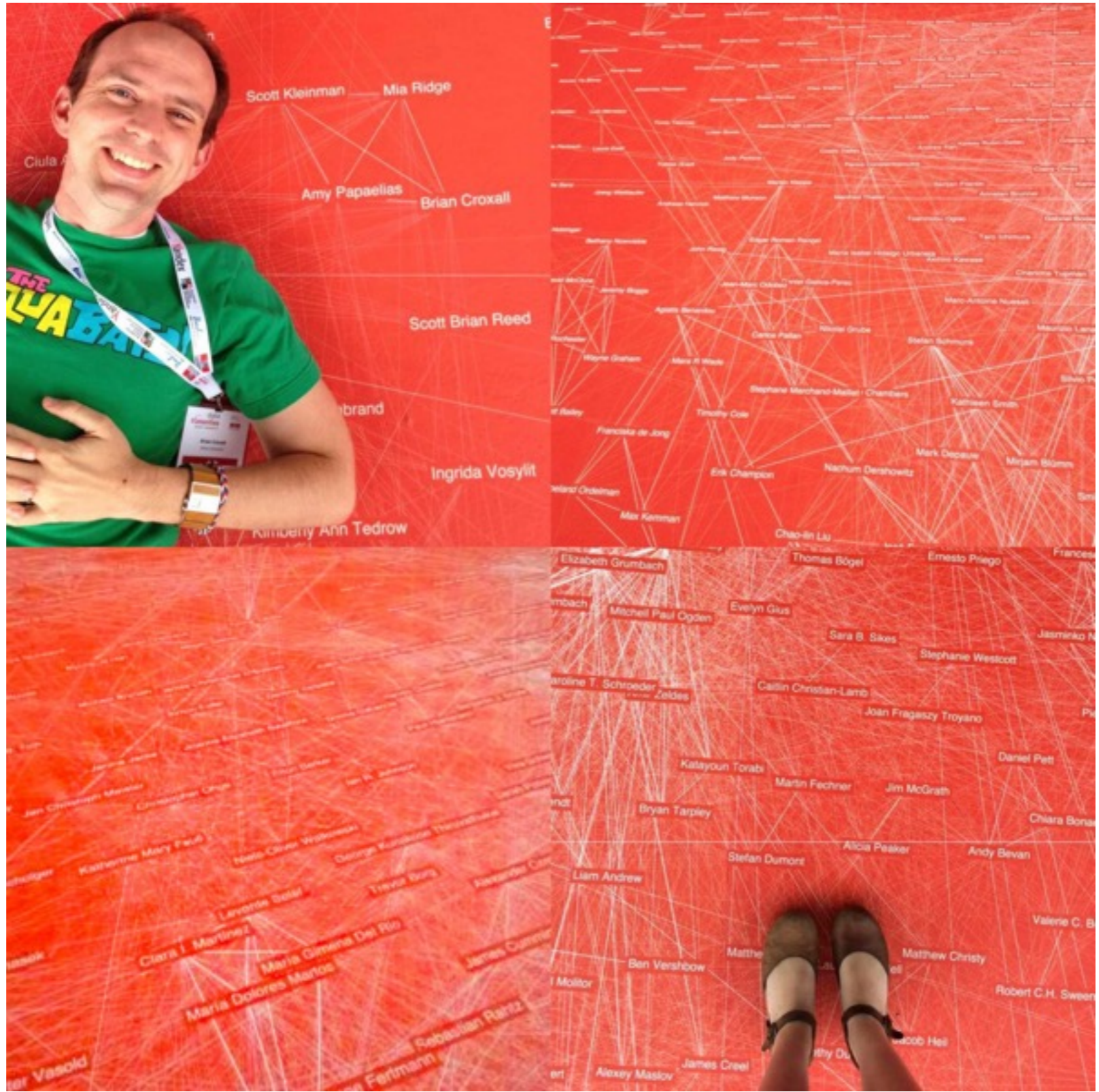
Concept VII — Appropriation



Concept VII — Appropriation



Concept VII — Appropriation



Concept VII — Appropriation



Concept VII — Appropriation



Concept VII — Appropriation

The image shows a browser window displaying the Twitter profile of Frederic Kaplan. The browser's address bar shows "Twitter, Inc." and the page title is "Twitter, Inc.". The navigation bar includes "Home", "Notifications", "Messages", and a search bar. The profile header features a large background image of a modern building at night, a profile picture of Frederic Kaplan, and statistics: 3,430 tweets, 2,406 following, 4,561 followers, 10 likes, and 1 list. A "Following" button is visible. The bio identifies him as a professor at EPFL and head of DHLAB. Two tweets are shown: one from March 4 about Swiss startups delving into virtual reality, and another from February 20 about "Anonymous gods" in dadabot.

Twitter, Inc.

Home Notifications Messages Search Twitter

Frederic Kaplan
 @frederickaplan **FOLLOWS YOU**

Professor in Digital Humanities at EPFL, head of DHLAB (dhlab.epfl.ch), co-local organiser of DH2014 in Lausanne (dh2014.org)

Lausanne
dhlab.epfl.ch
 Joined November 2007

TWEETS 3,430 FOLLOWING 2,406 FOLLOWERS 4,561 LIKES 10 LISTS 1

Following

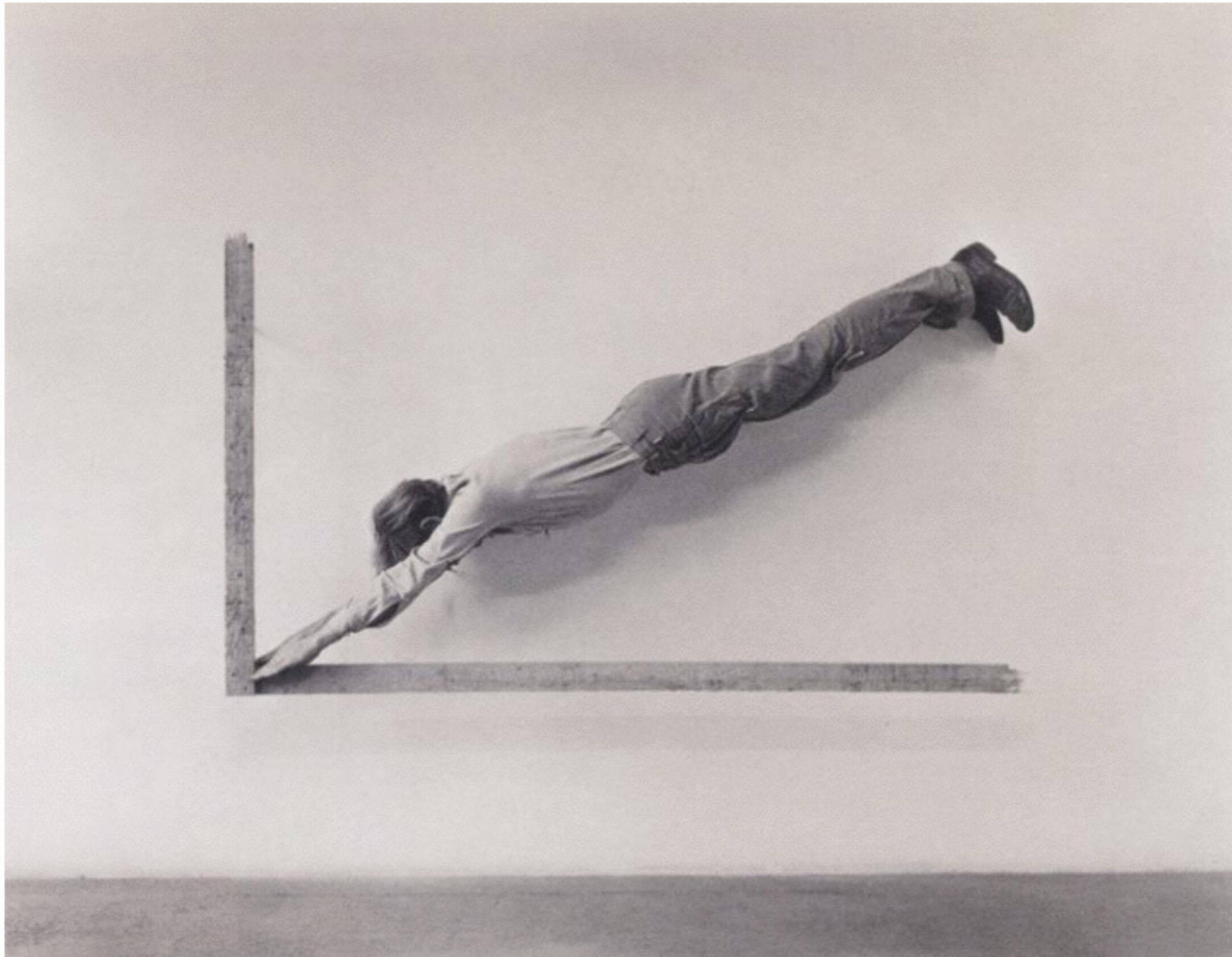
Tweets Tweets & replies Photos & videos

Frederic Kaplan @frederickaplan · Mar 4
 Swiss Startups Delving Into Virtual Reality
techcrunch.com/2016/02/22/swi...

2 5 View summary

Frederic Kaplan @frederickaplan · Feb 20
 "Anonymous gods" in dadabot - an introduction to machinic creolization by @nicolasnova and Joel Vacheron

Concept XIII — Materiality



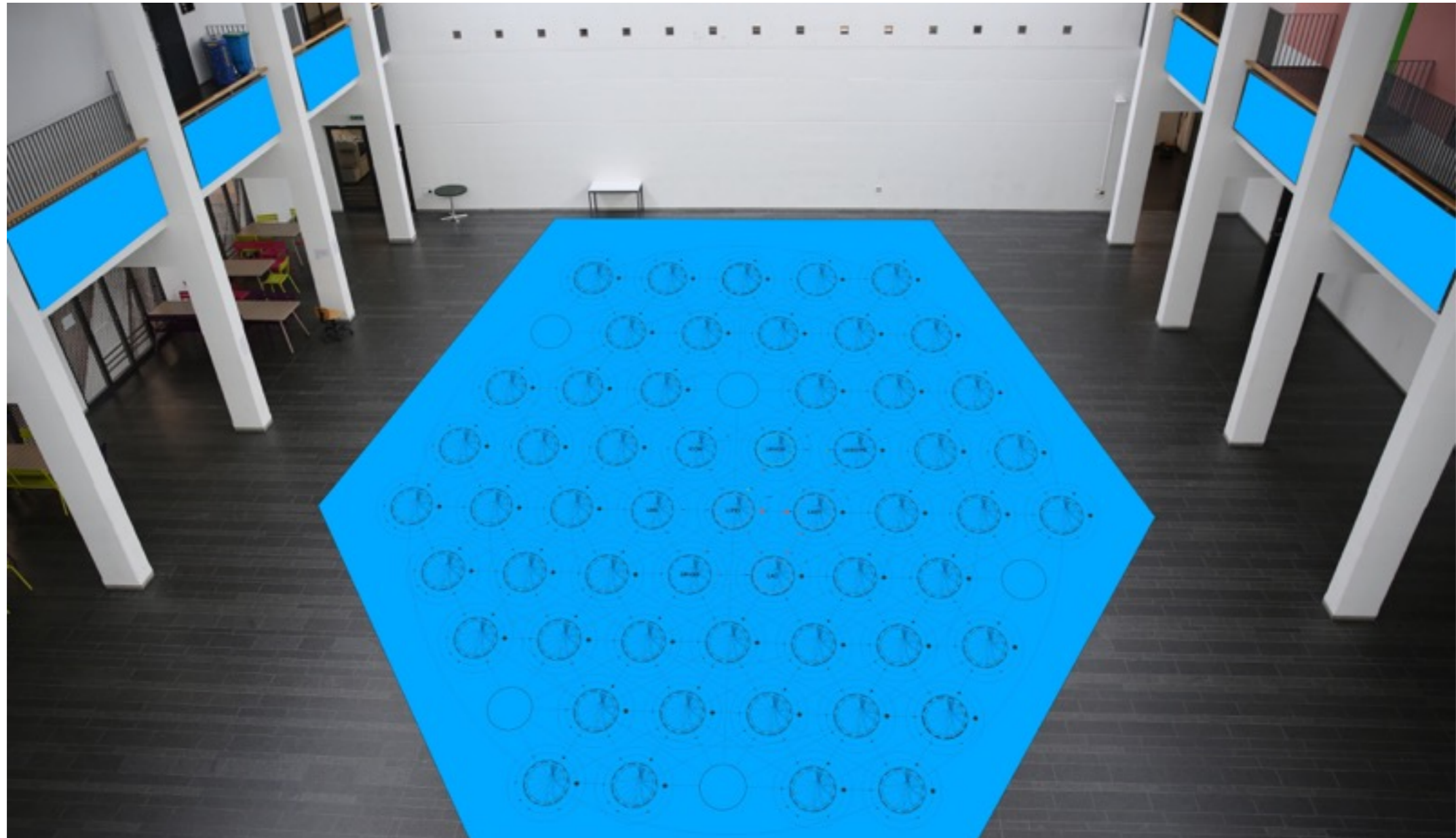
Pieter Laurens Mol, Specific Impulse 1985



Posters

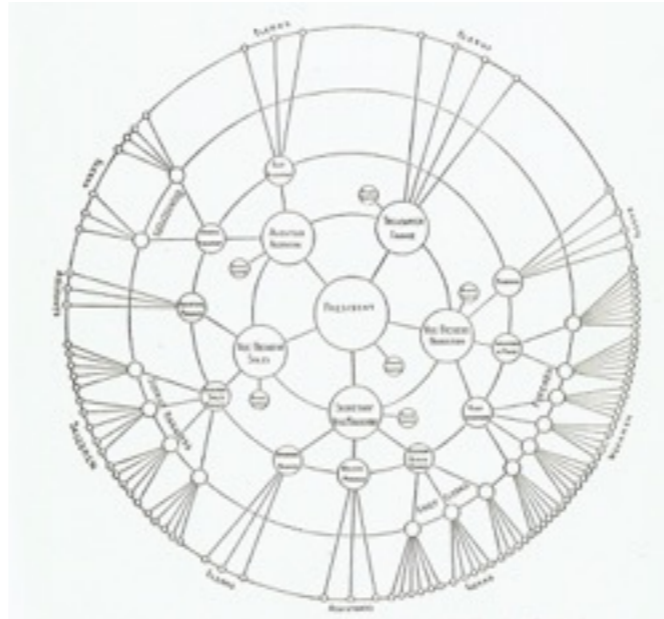


Large visualizations



Very large visualization

Current Design



The forms of representation

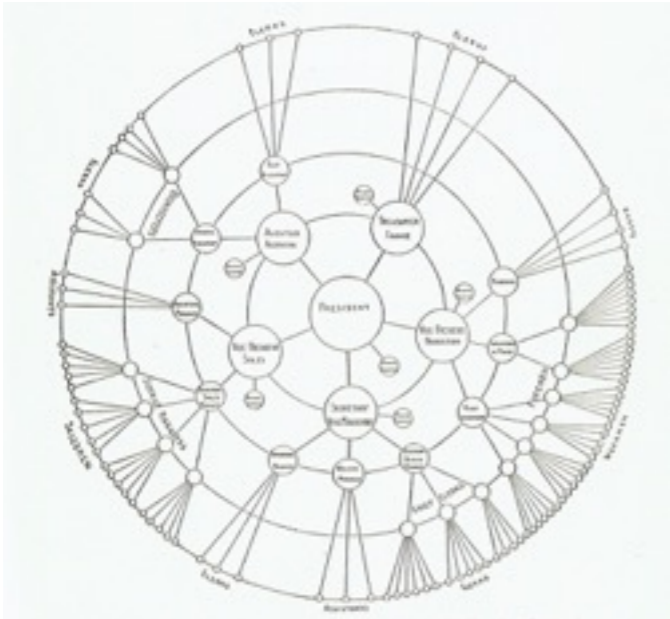
World University Rankings 2015-2016
 EUNIVER 2016

The Times Higher Education World University Rankings 2015-2016 for the best global universities and are the only international university performance index to judge world-class universities across all of their core missions: teaching, research, knowledge transfer and international outlook.

Filter by name: Filter by country:

Rankings Only Performance Breakdown Key Statistics *

Rank	University	Country
1	California Institute of Technology	United States of America
2	University of Oxford	United Kingdom
3	Stanford University	United States of America
4	University of Cambridge	United Kingdom
5	Massachusetts Institute of Technology	United States of America
6	Harvard University	United States of America
7	Pennsylvania State University	United States of America
8	Imperial College London	United Kingdom
9	ETH Zurich - Swiss Federal Institute of Technology Zurich	Switzerland



World University Rankings 2015-2016
 THE QS

The QS Higher Education World University Rankings 2015-2016 is the best global university and is the only international university performance index to judge world-class universities across all of their core missions: teaching, research, knowledge transfer and internationalisation.

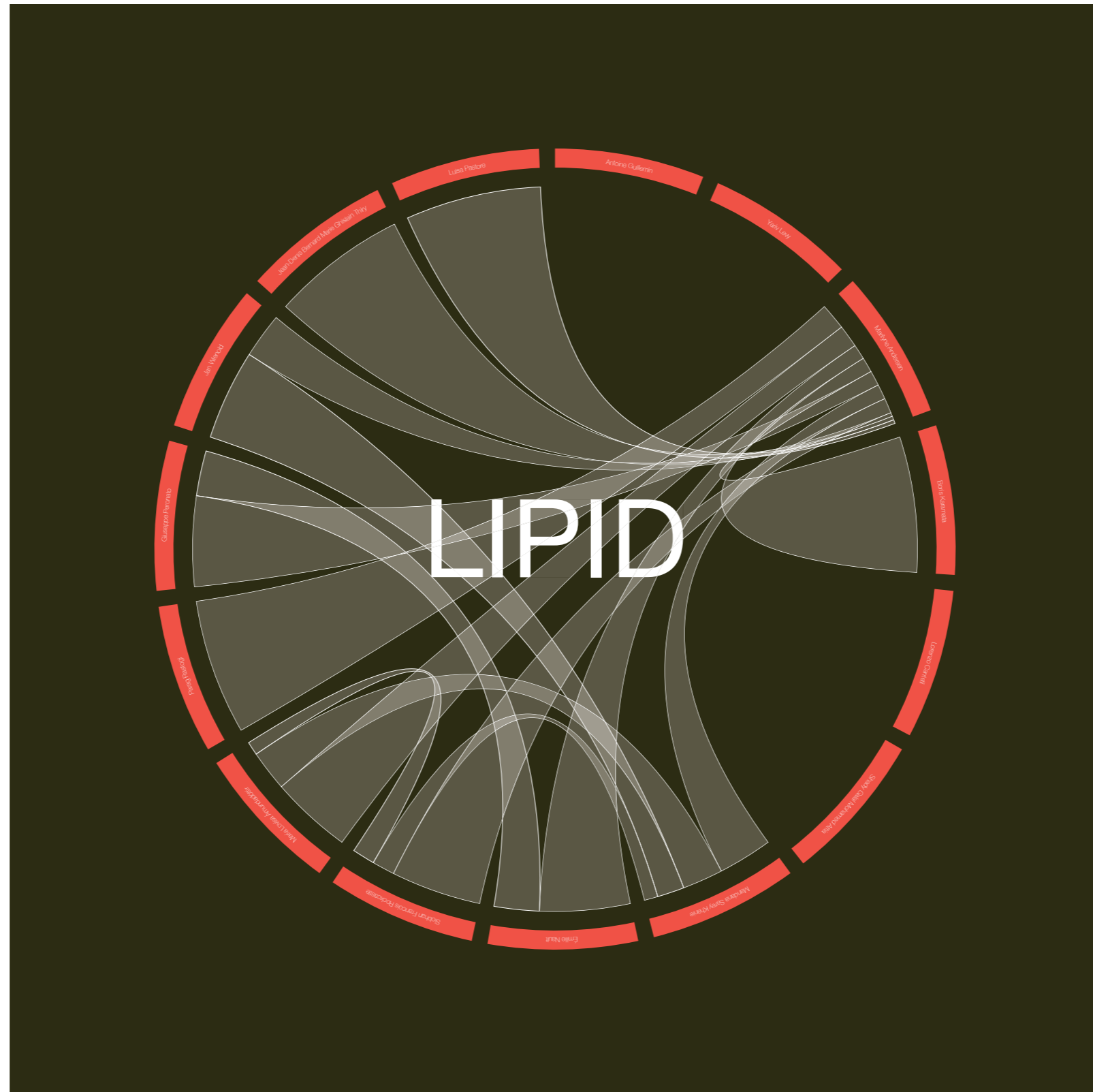
Filter by name: Filter by country:

[Rankings Only](#) [Performance Breakdown](#) [Key Statistics *](#)

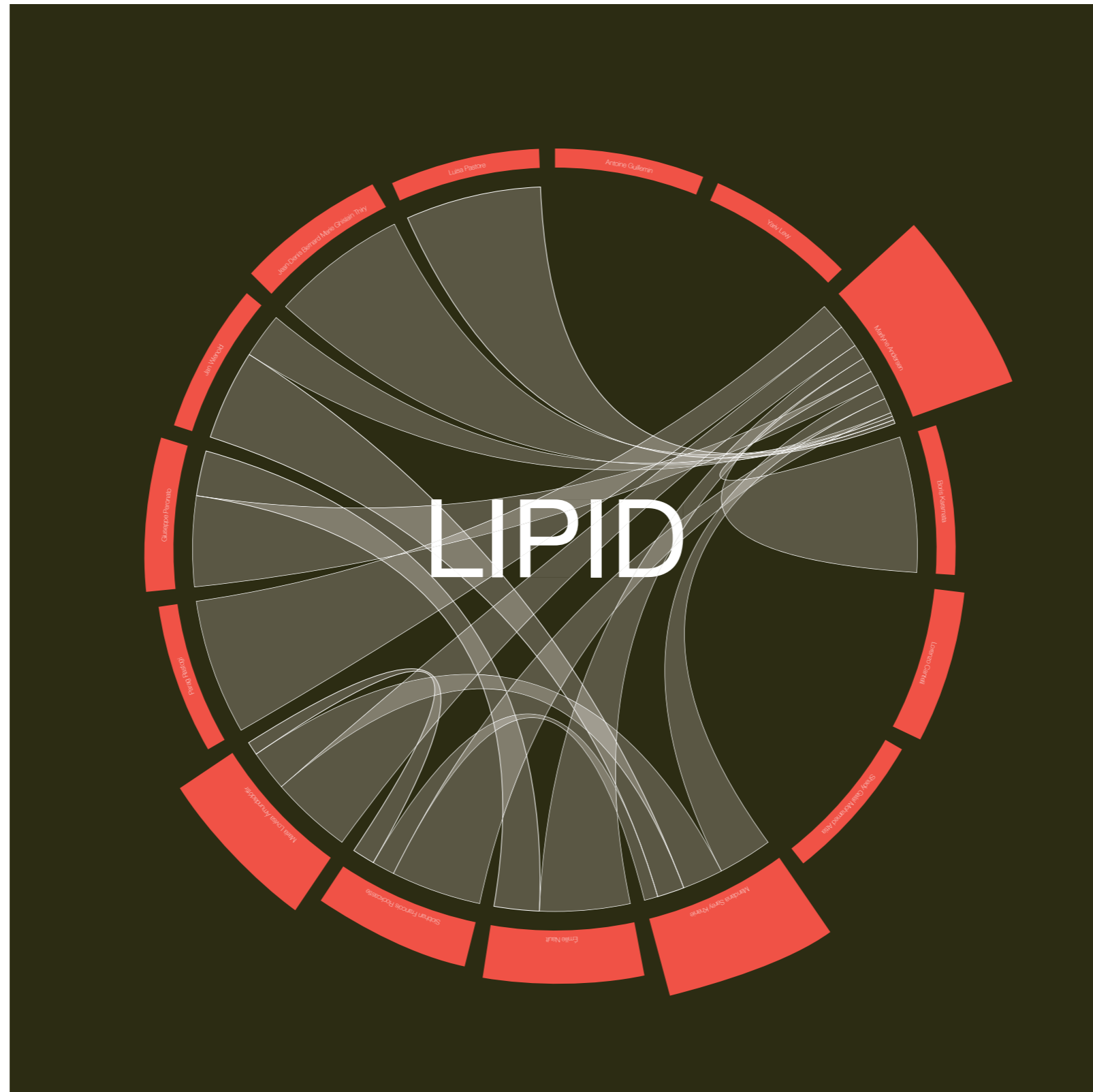
Rank	Year	University	Country
1	2015	California Institute of Technology	United States of America
2	2015	University of Oxford	United Kingdom
3	2015	Stanford University	United States of America
4	2015	University of Cambridge	United Kingdom
5	2015	Massachusetts Institute of Technology	United States of America
6	2015	Harvard University	United States of America
7	2015	Peking University	United States of America
8	2015	Imperial College London	United Kingdom
9	2015	ETH Zurich - Swiss Federal Institute of Technology Zurich	Switzerland



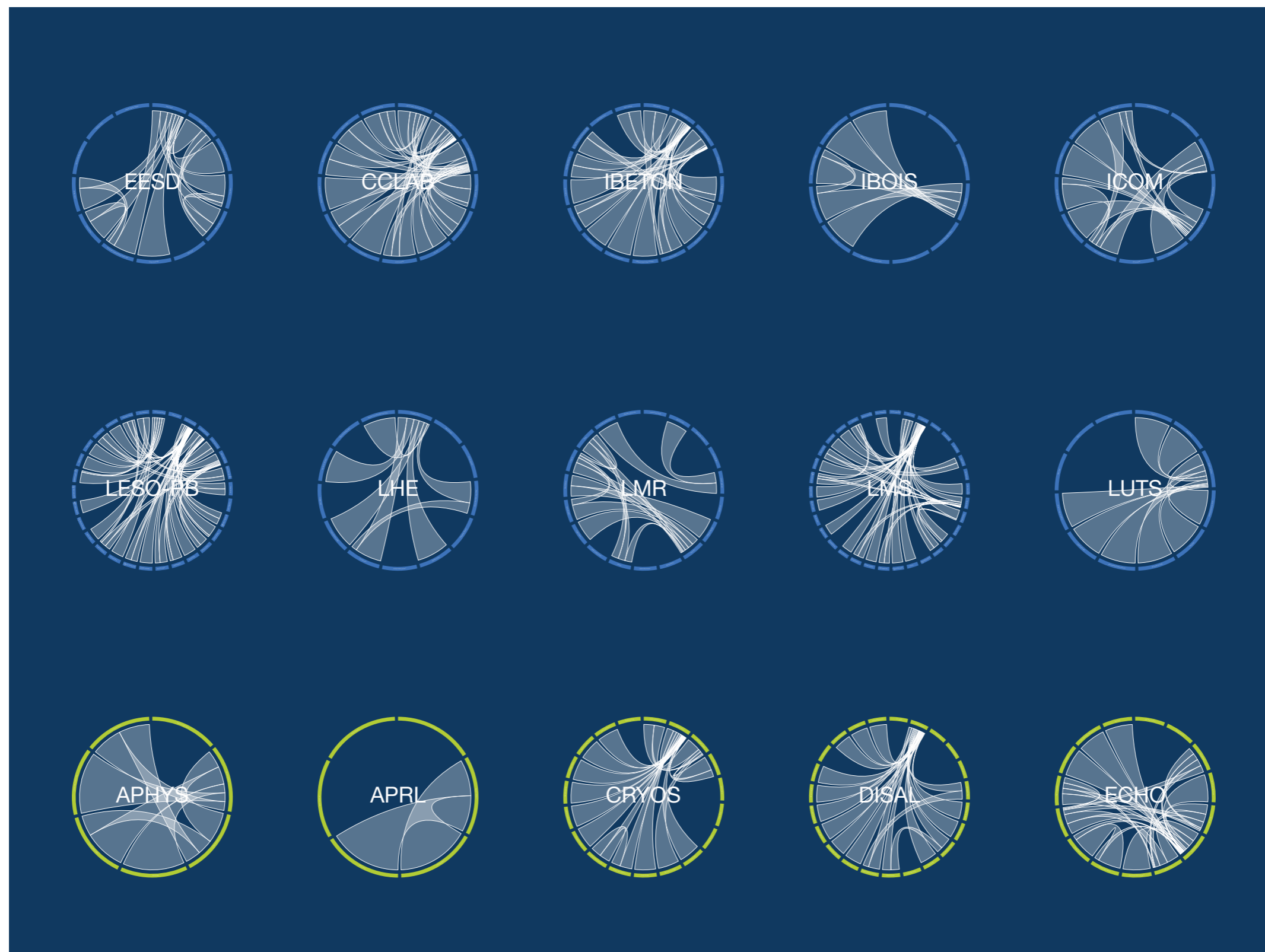
The forms of representation



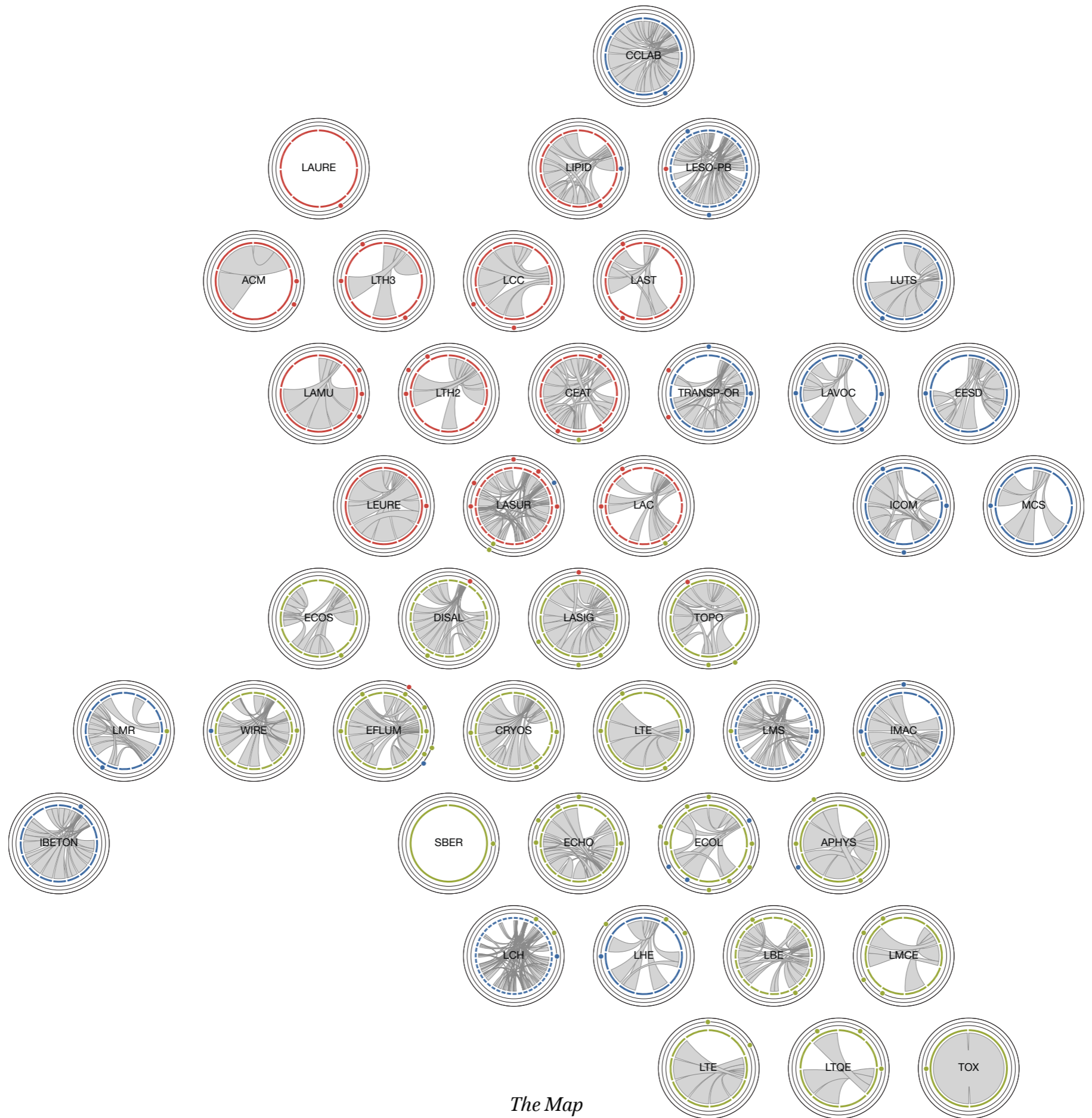
Chord diagram



Chord diagram



Each laboratory has a special shape



The Map



LTH2



CEAT



TRANSP-

The Map

ECCUS

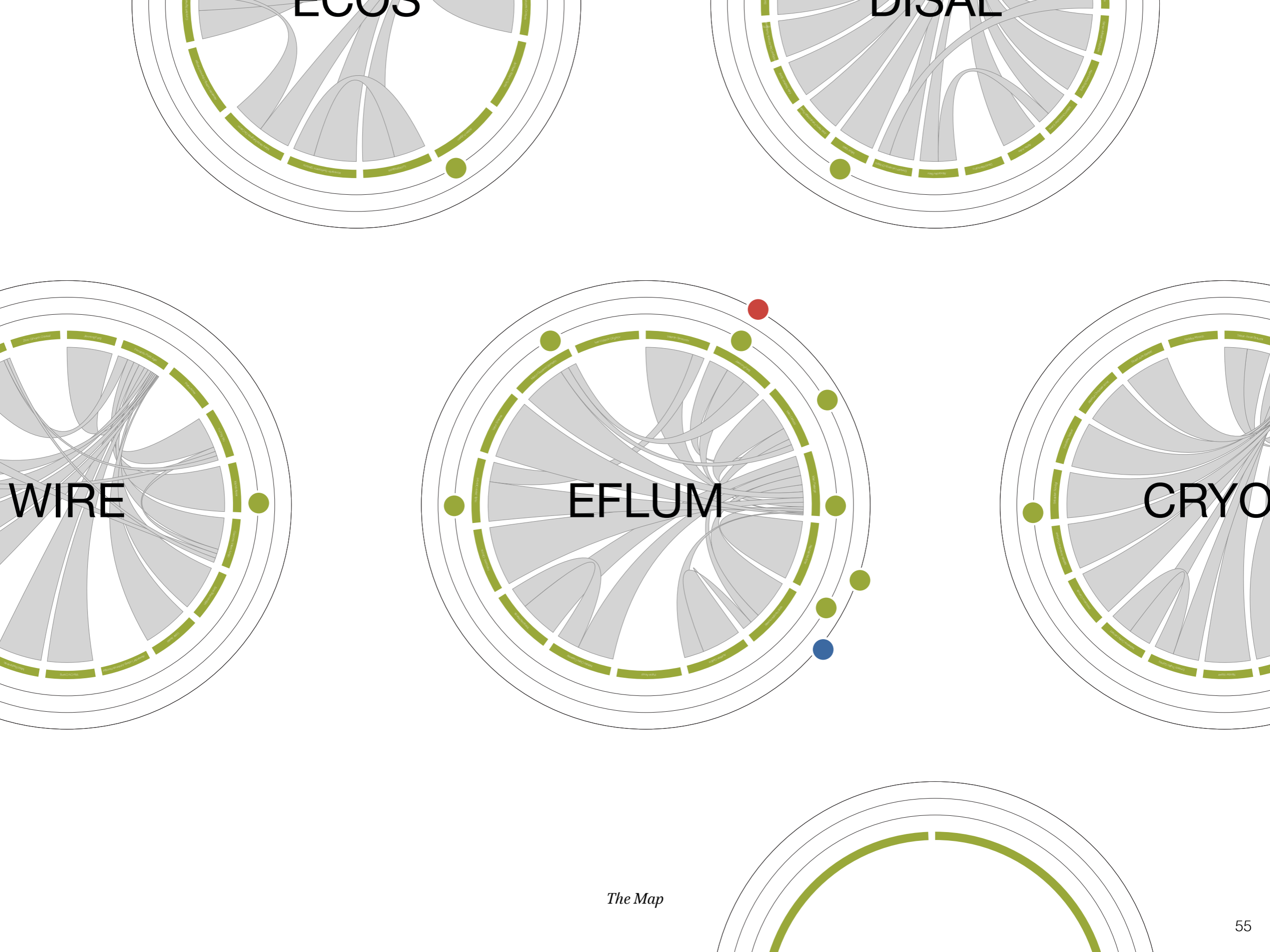
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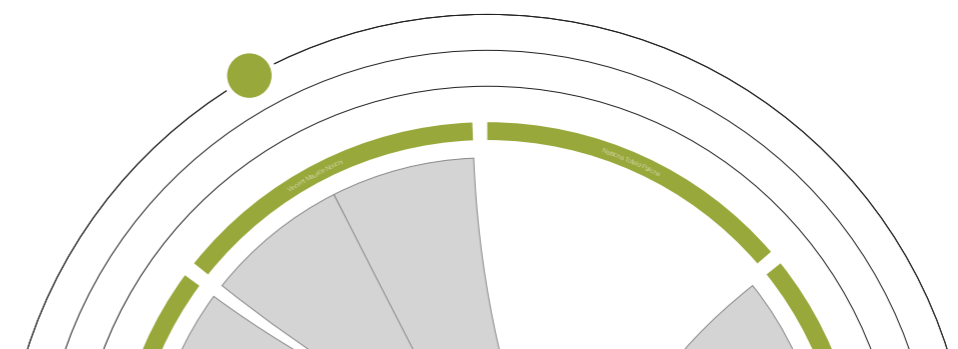
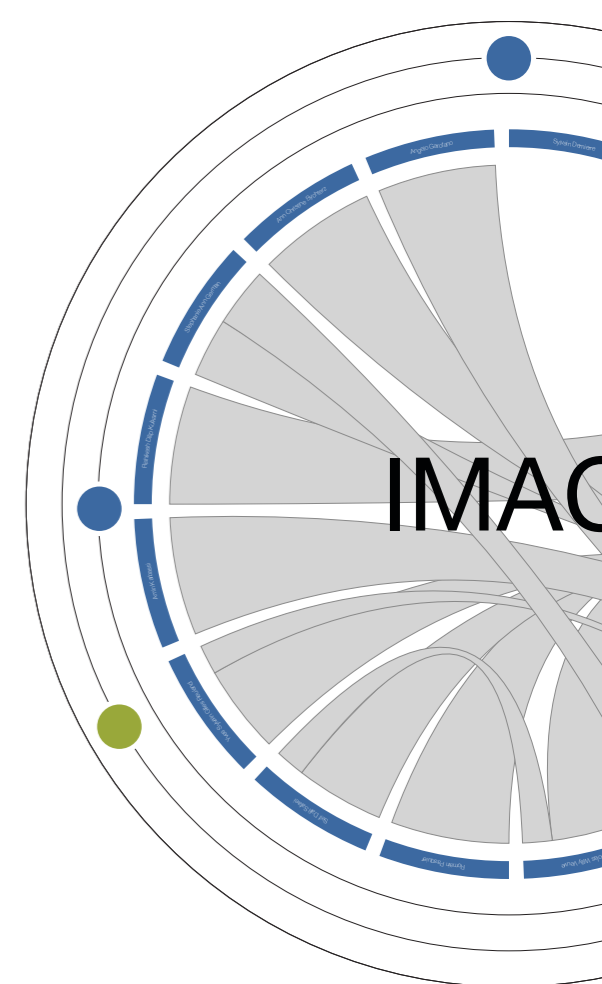
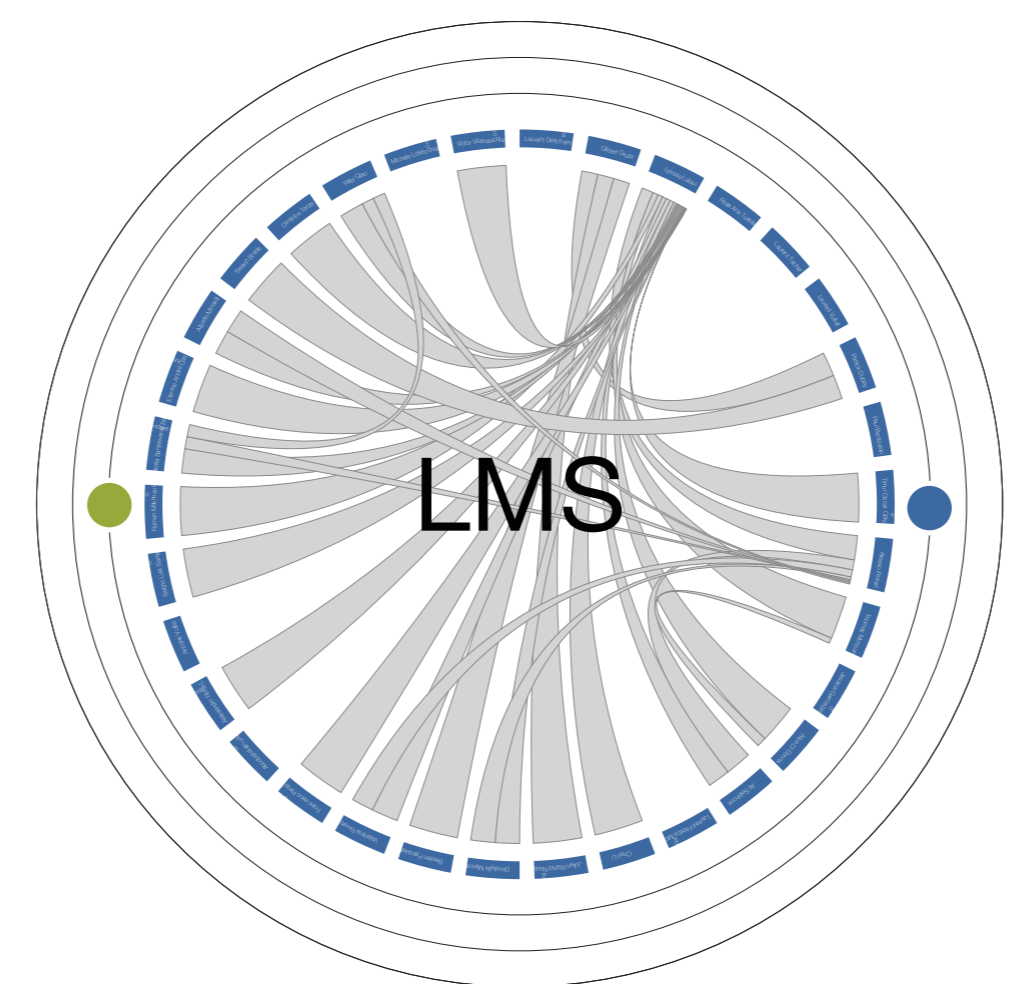
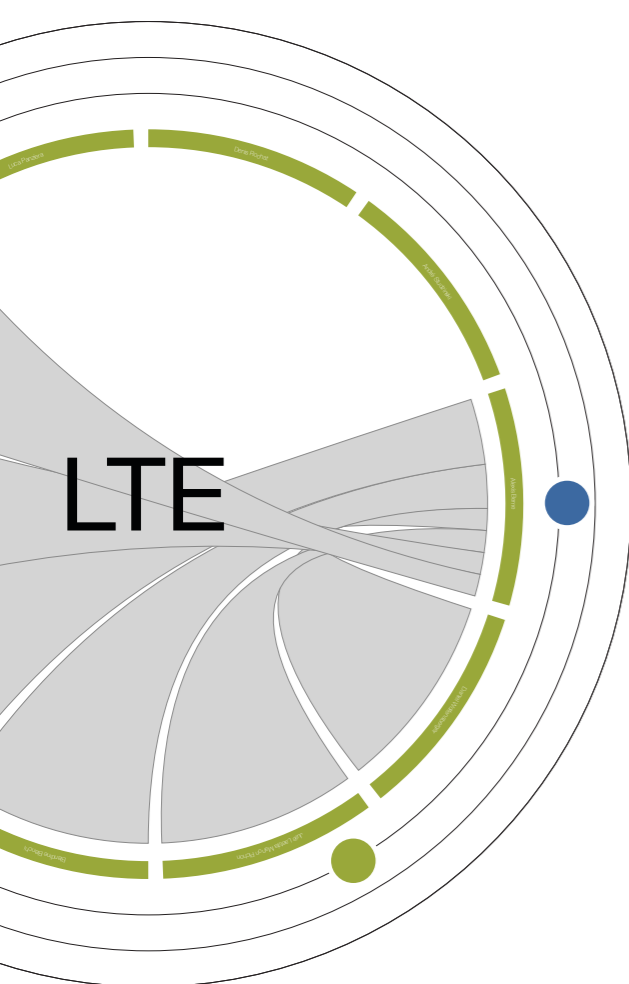
WIRE

EFLUM

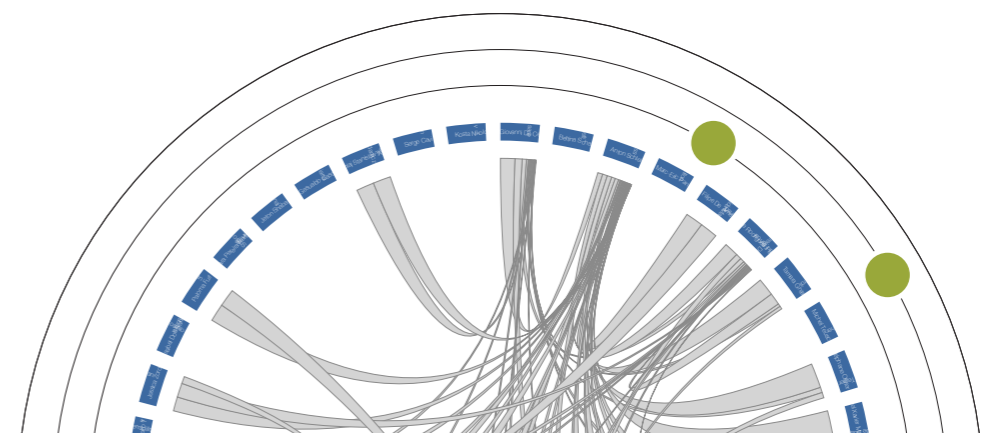
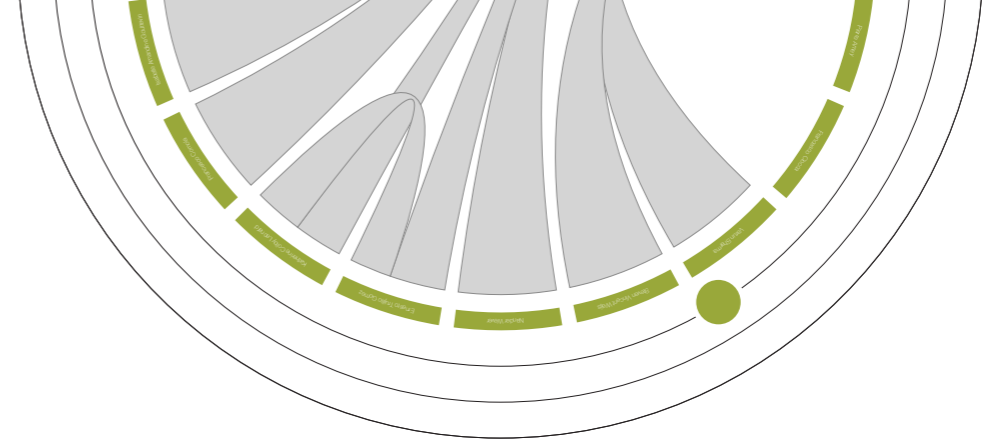
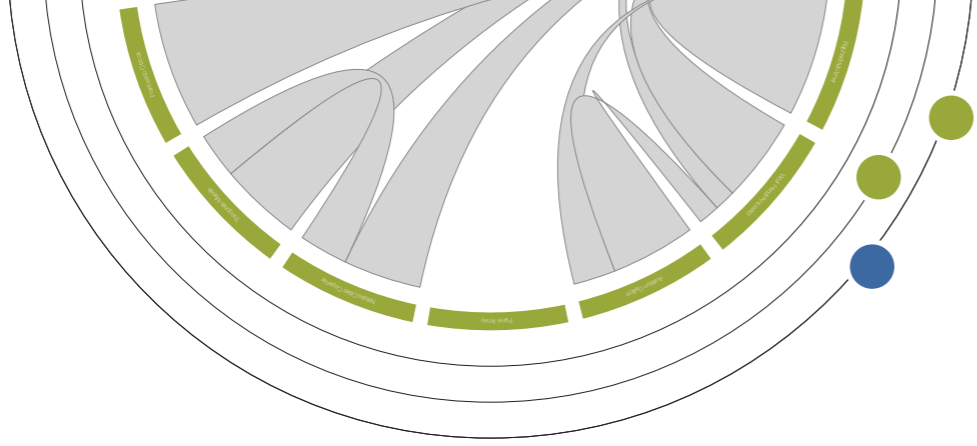
CRYO

The Map





The Map



The Map

