

DATA●OBSERVATORY

XIX, XX, XXI CENTURIES

BEGINNINGS

MEGA-TELESCOPES ERA

LAST DECADE

1847 1854 1927 1959 1961 1963 1996 1997 1998 2006 2010 2013 2017 2019 2020+

XIX, XX, XXI CENTURIES

BEGINNINGS

MEGA-TELESCOPES ERA

LAST DECADE

1847 1854 1927 1959 1961 1963 1996 1997 1998 2006 2010 2013 2017 2019 2020+

SALITRE



XIX, XX, XXI CENTURIES

BEGINNIGS

MEGA-TELESCOPES ERA

LAST DECADE

1847 1854 1927 1959 1961 1963 1996 1997 1998 2006 2010 2013 2017 2019 2020+

SALITRE

COPPER



XIX, XX, XXI CENTURIES

BEGINNIGS

MEGA-TELESCOPES ERA

LAST DECADE

1847 1854 1927 1959 1961 1963 1996 1997 1998 2006 2010 2013 2017 2019 2020+

SALITRE

COPPER

¿KNOWLEDGE?



ALMA
APEX

VLT

LAS CAMPANAS

LA SILLA

TOLOLO

GEMINI SUR

SOAR

55% of world capacity, 96% of hemisphere next decade

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ASTRONOMY IS AMONG THE FIELDS PRODUCING MORE EXPLOITABLE DATA

SKA1

6.5EB



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ASTRONOMY IS EXPANDING DATA SCIENCE FRONTIERS



September-October 2018

Volume: 106 Number: 5

Astronomers employ computational techniques to manage the ever-increasing flood of data from state-of-the-art ground- and space-based observatories.

The Economist

Regulating the internet giants

The world's most valuable resource is no longer oil, but data

PAÍS ASTROINFORMÁTICA 30.10.2017 / 06:28

Astroinformática: el big data de la astronomía

El Observatorio Alma es el principal procesador de datos en el país.

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Astronomy is 5-10 years ahead of other activities in the region



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CHILE IS ALSO GENERATES GLOBAL VALUE DATA IN OTHER AREAS



Highest level of
solar radiation
in the world

in the Atacama Desert



3,094
Islands and islets



Clearest skies
on the planet

known for their astronomy
research capacity



1,509
Peaks

above 4000 mamsl



Freshwater
reserves

third largest in
the world



+270
Hotspots

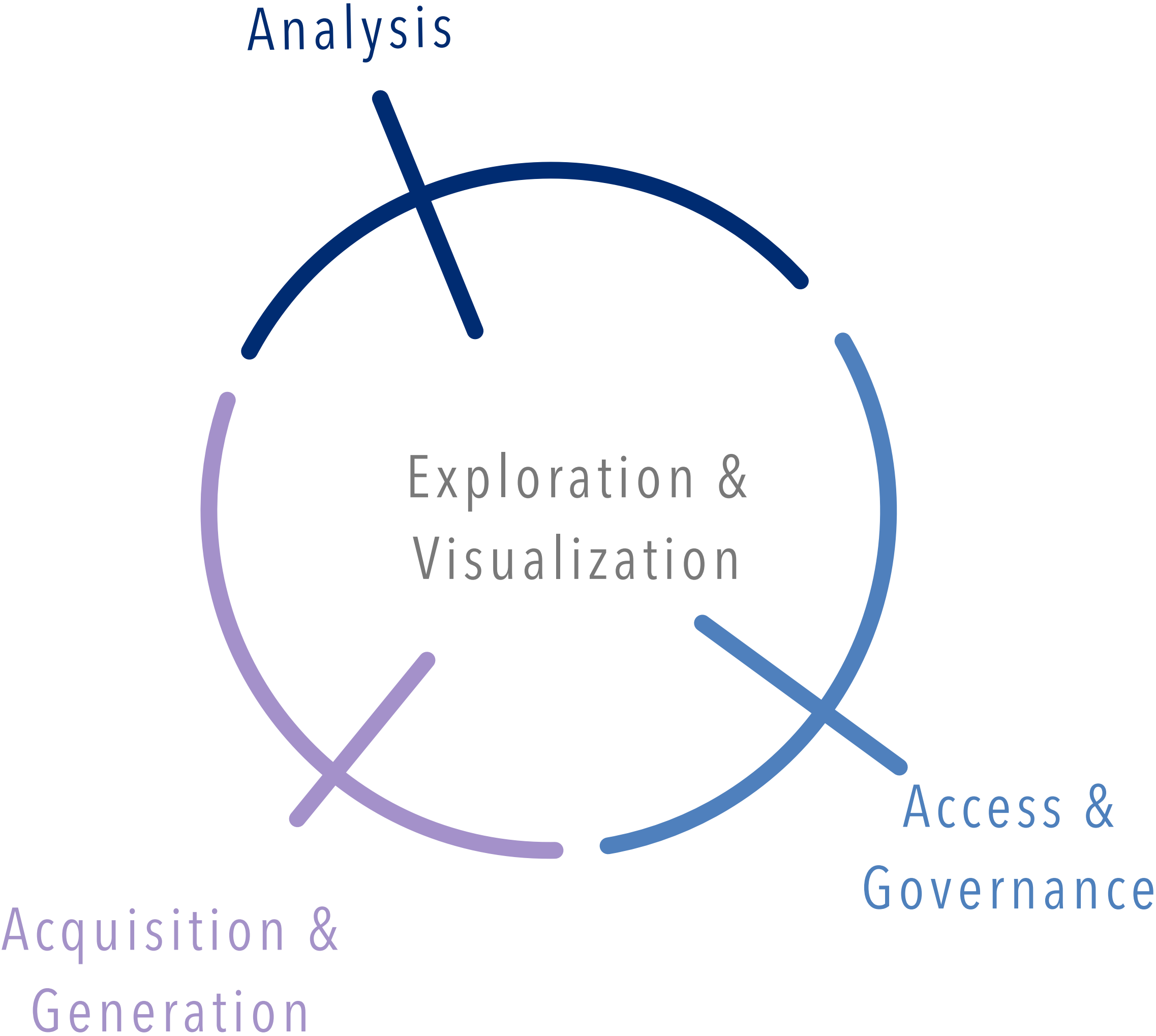


12,784
Lakes and lagoons



90
Active volcanoes

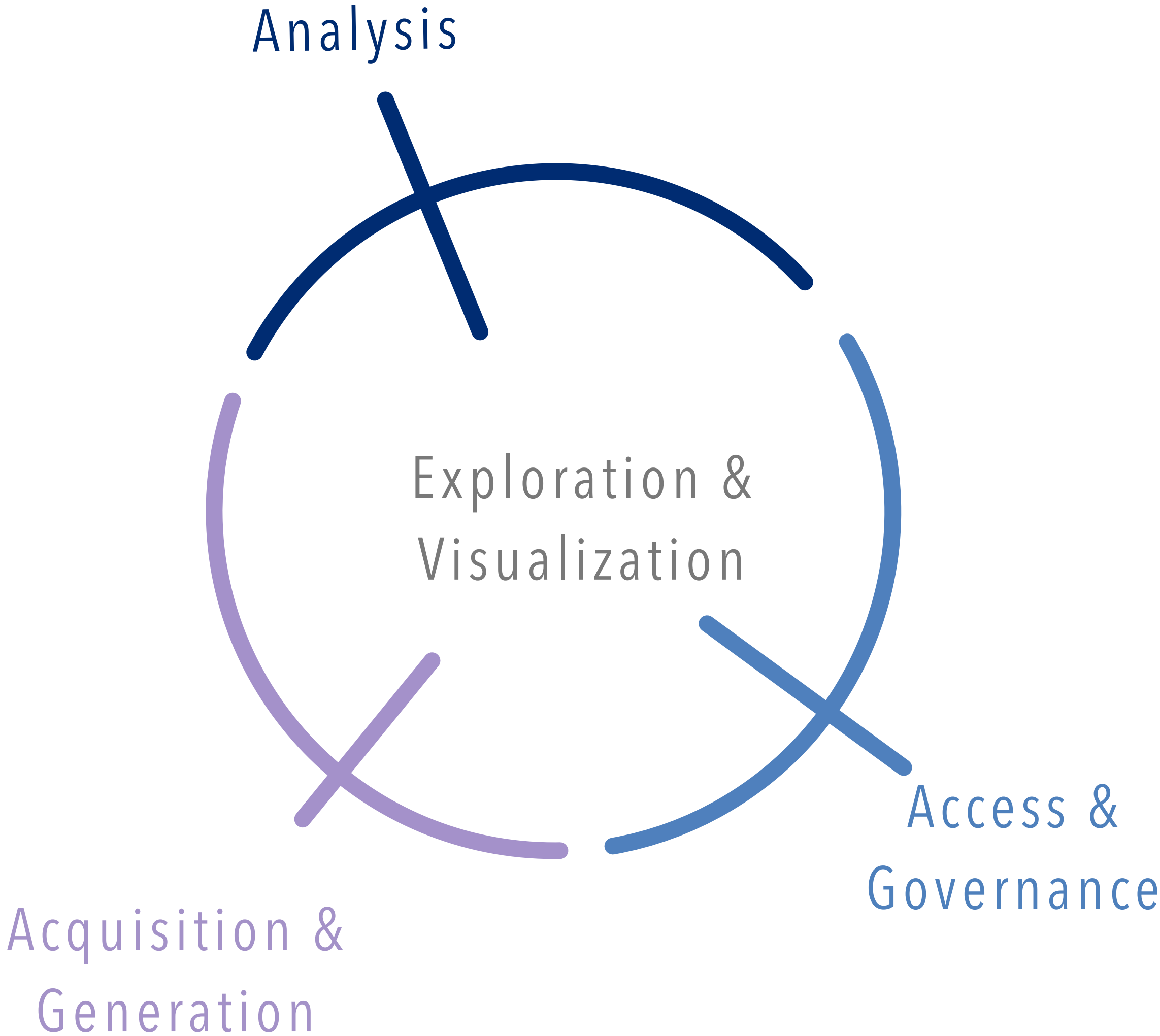
DOING AS OTHER
ACTIVITIES, 5 TO 10
YEARS AHEAD



DOING AS OTHER
ACTIVITIES, 5 TO 10
YEARS AHEAD

≈

A N E N G I N E O F
DIGITAL TRANSFORMATION



≈





Vision

The DO is at the vanguard of data-centric innovation, leading in the production of data-centric solutions, talent and social capital for the Latin-American region.

Mission

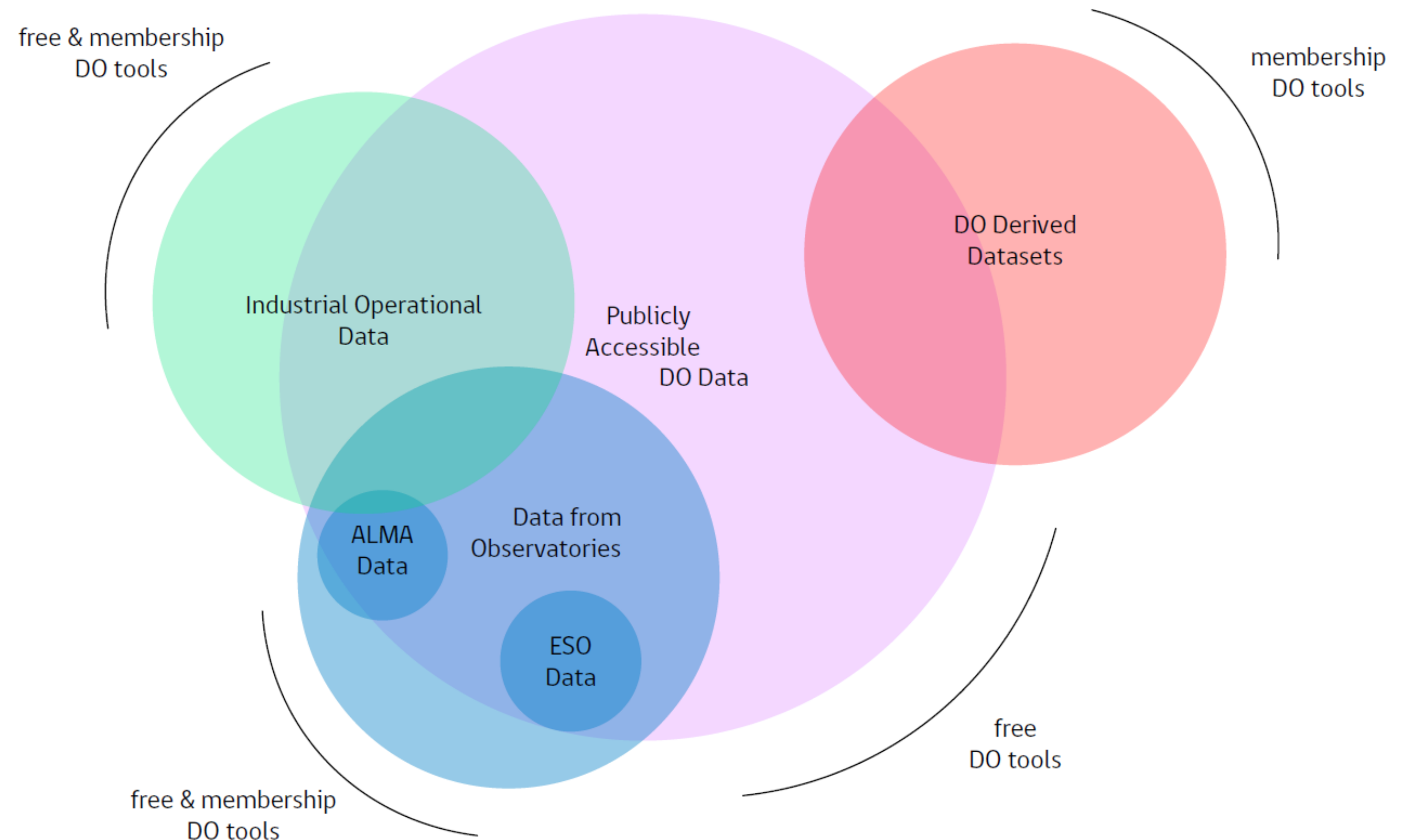
The DO hosts datasets of global value acquired and generated in our region, and enables their maximal exploitation by the global scientific community, the industry and the public, facilitating data access, analysis, exploration, visualization, and governance.

DO!dataset
DATA●BSERVATORY

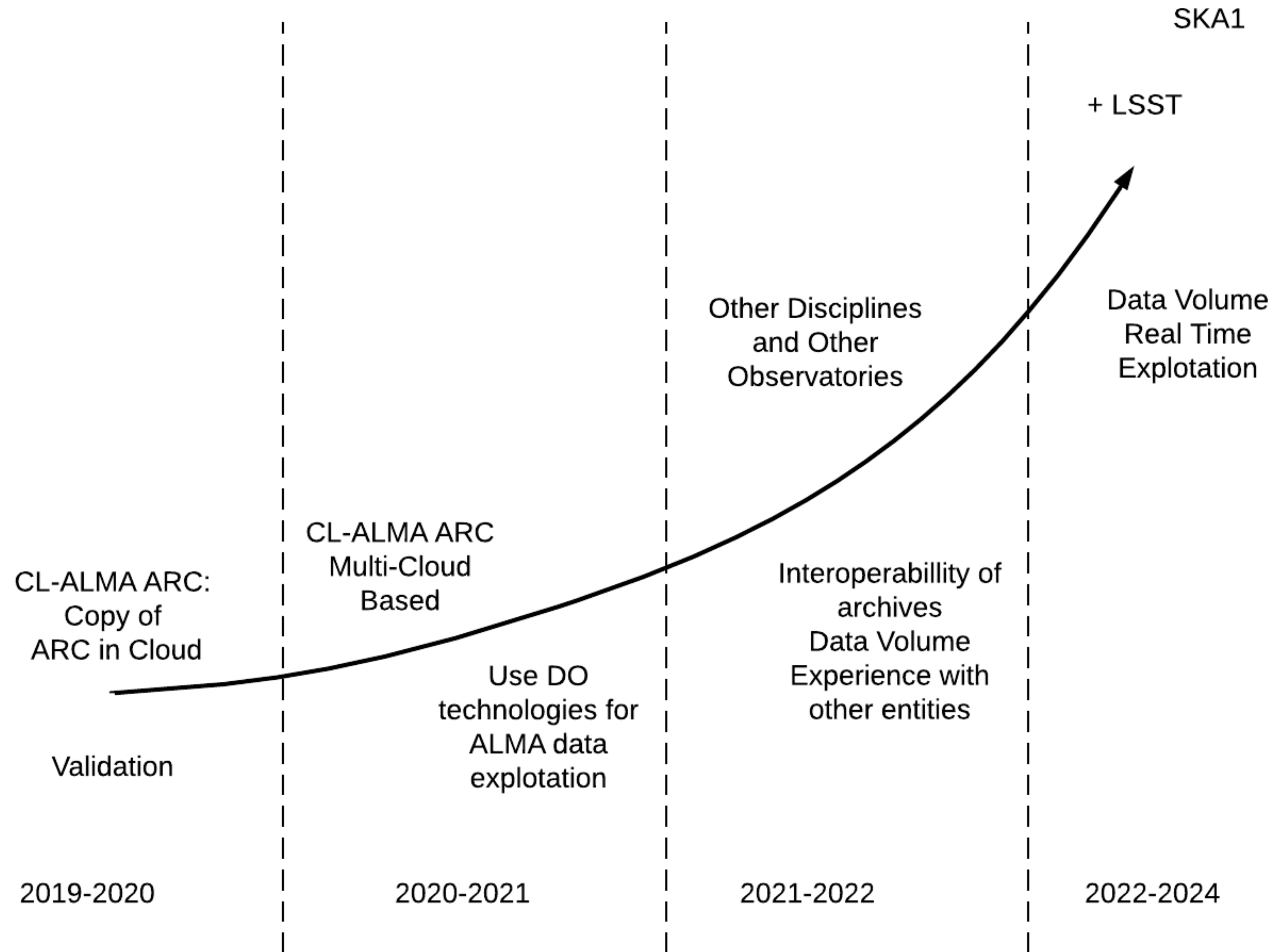
DO!challenges
DATA●BSERVATORY

DO!talent
DATA●BSERVATORY

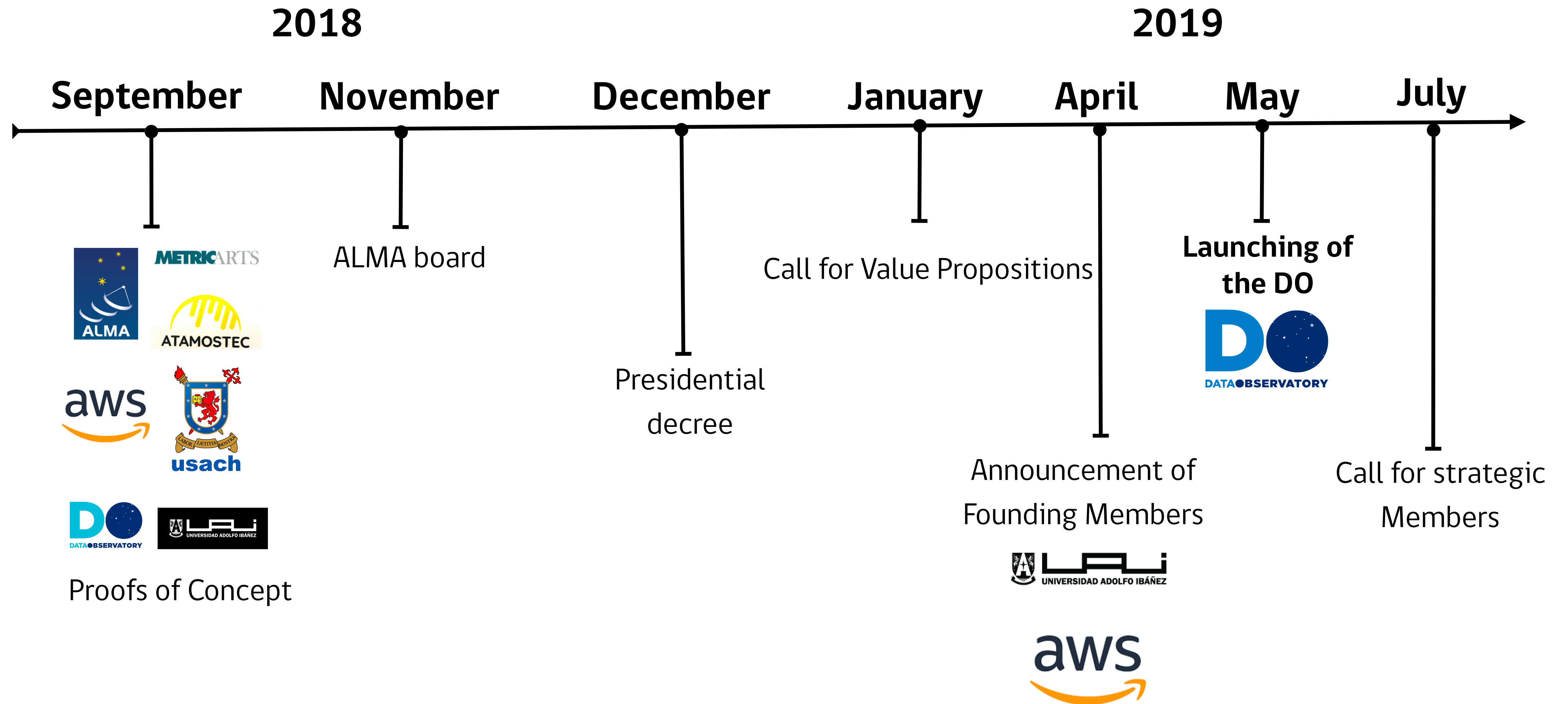
DO!engagement
DATA●BSERVATORY



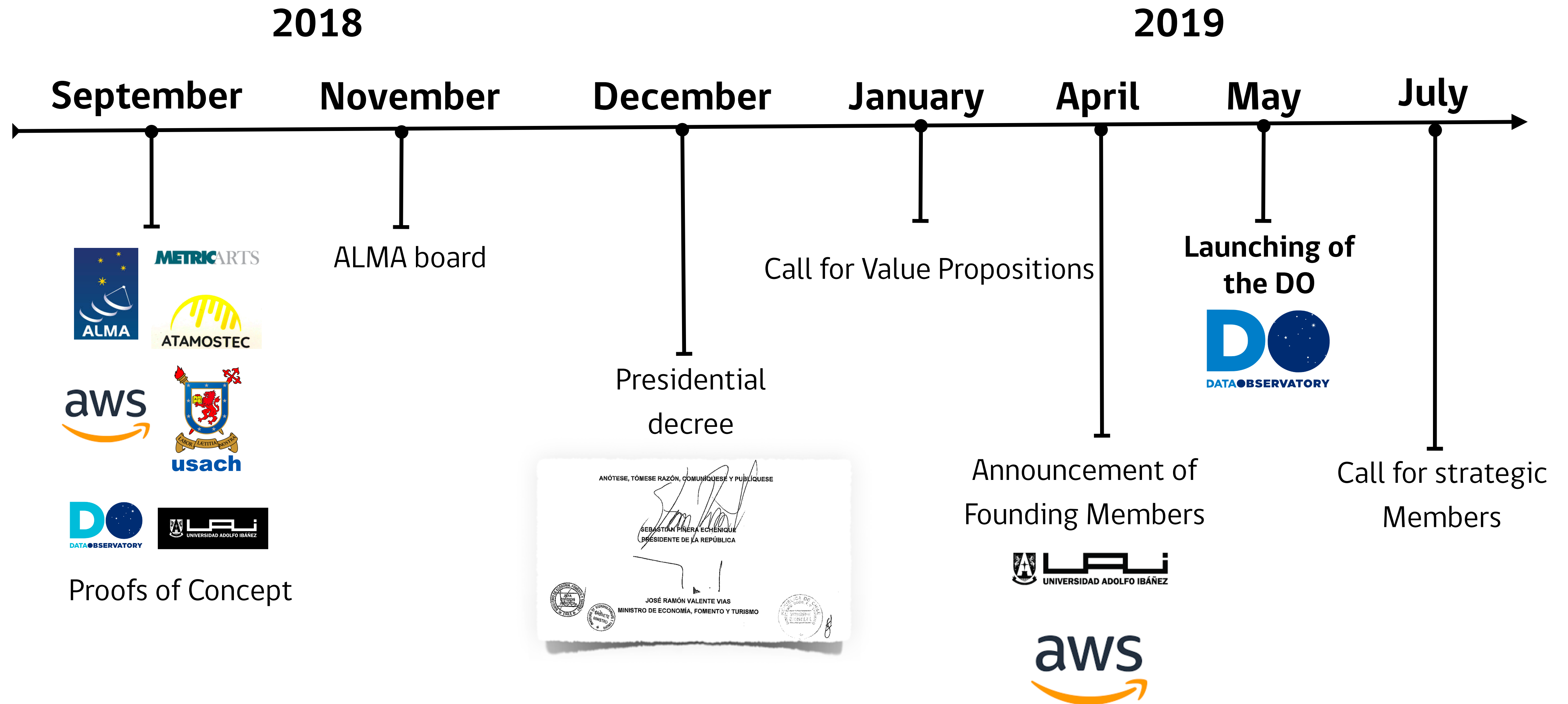
FIRST: ASTRONOMY DATA



TIMELINE

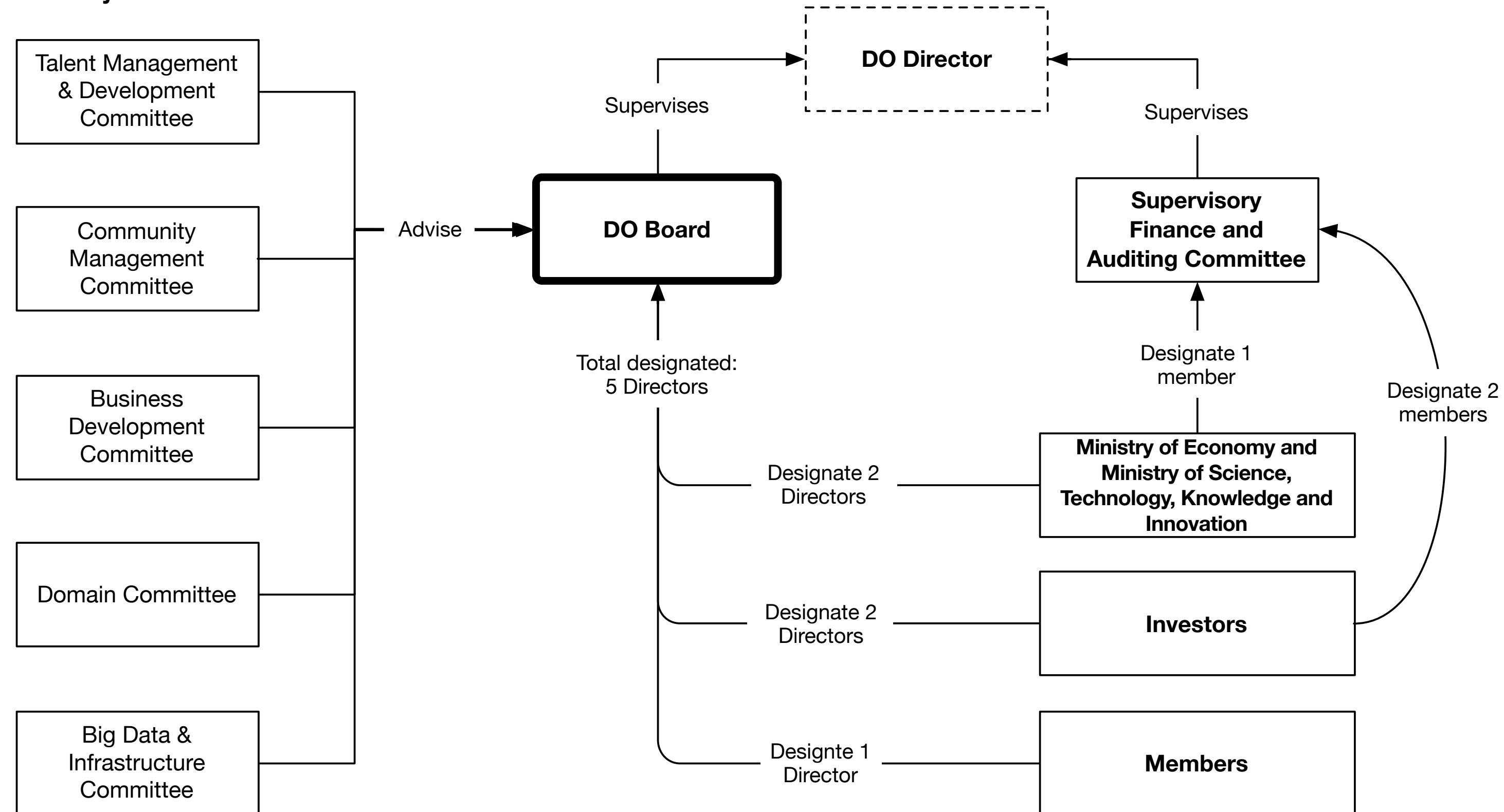


TIMELINE

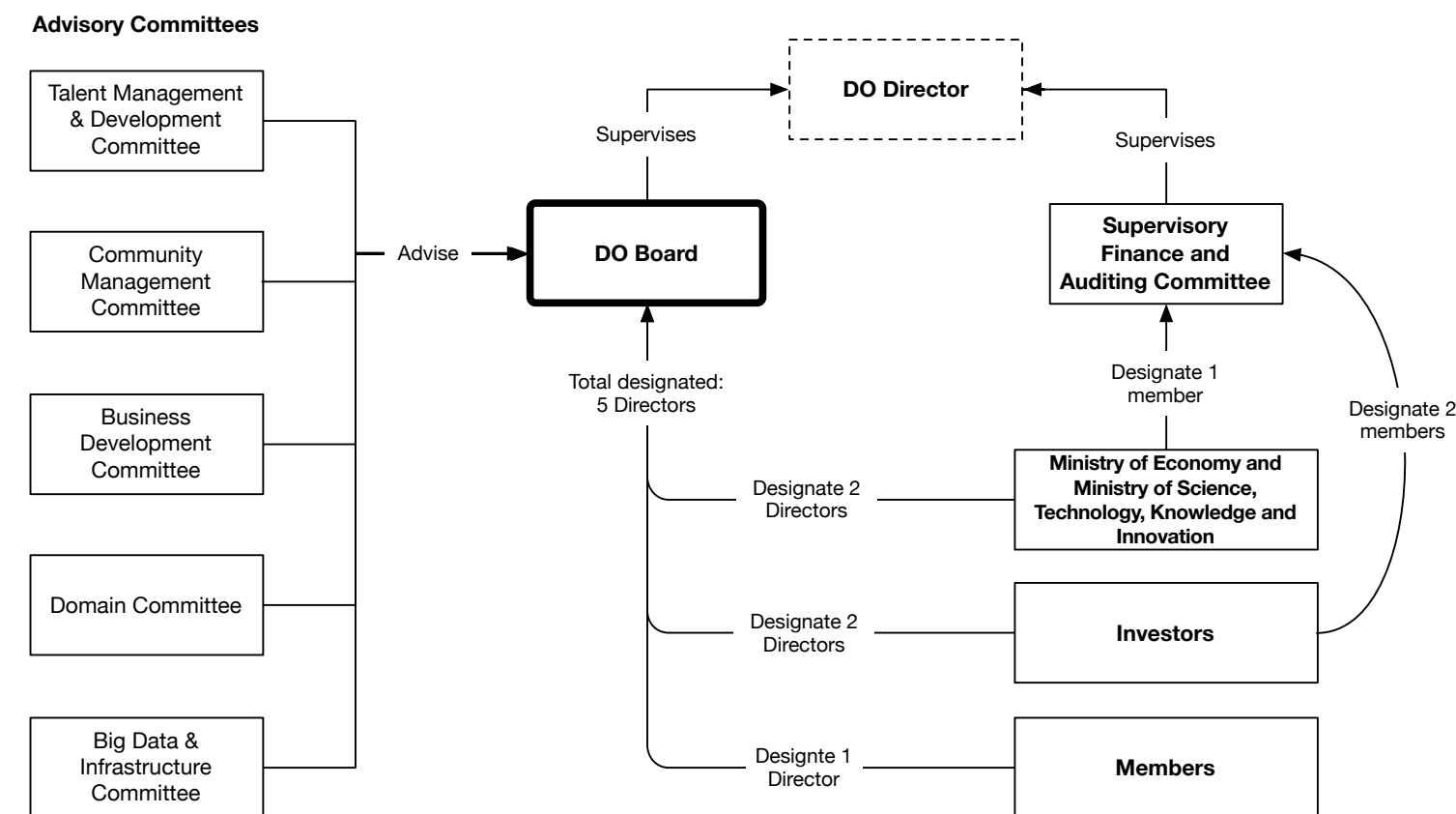


DO GOVERNANCE

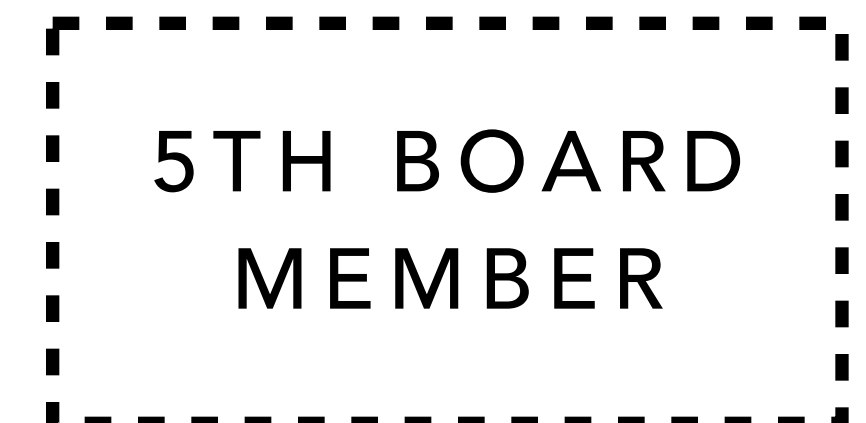
Advisory Committees



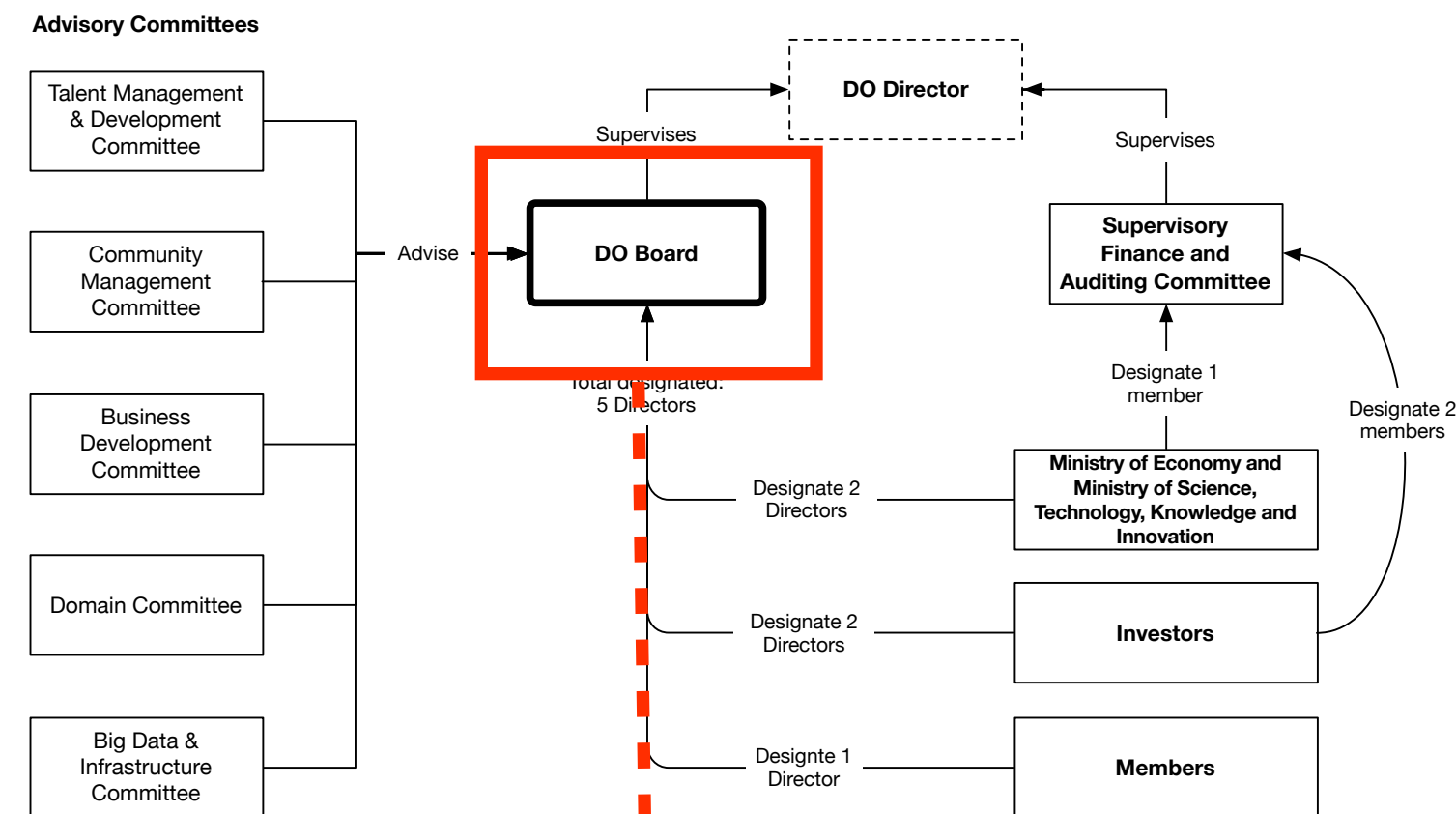
WE HAVE TWO FOUNDING MEMBERS



The board is composed by:



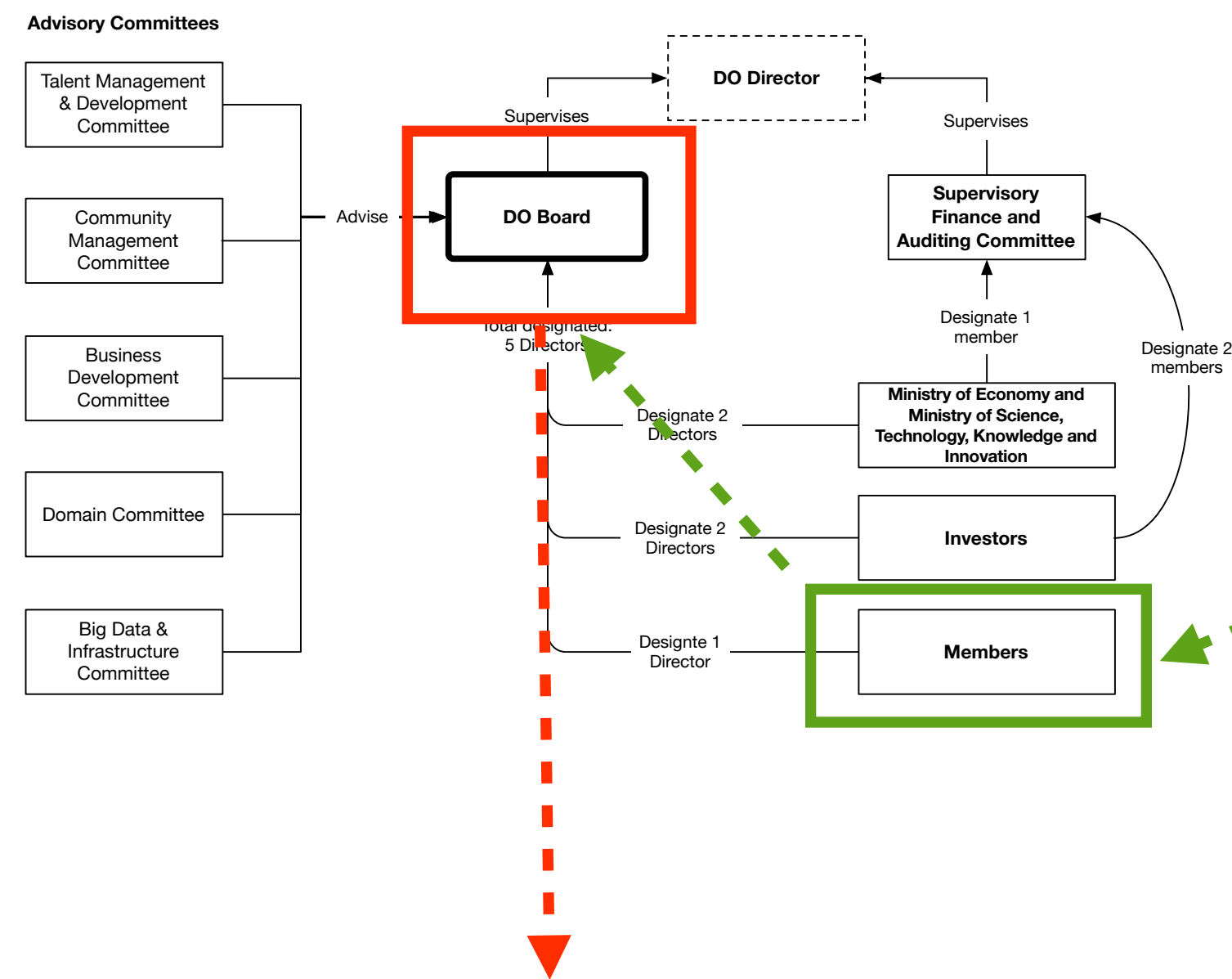
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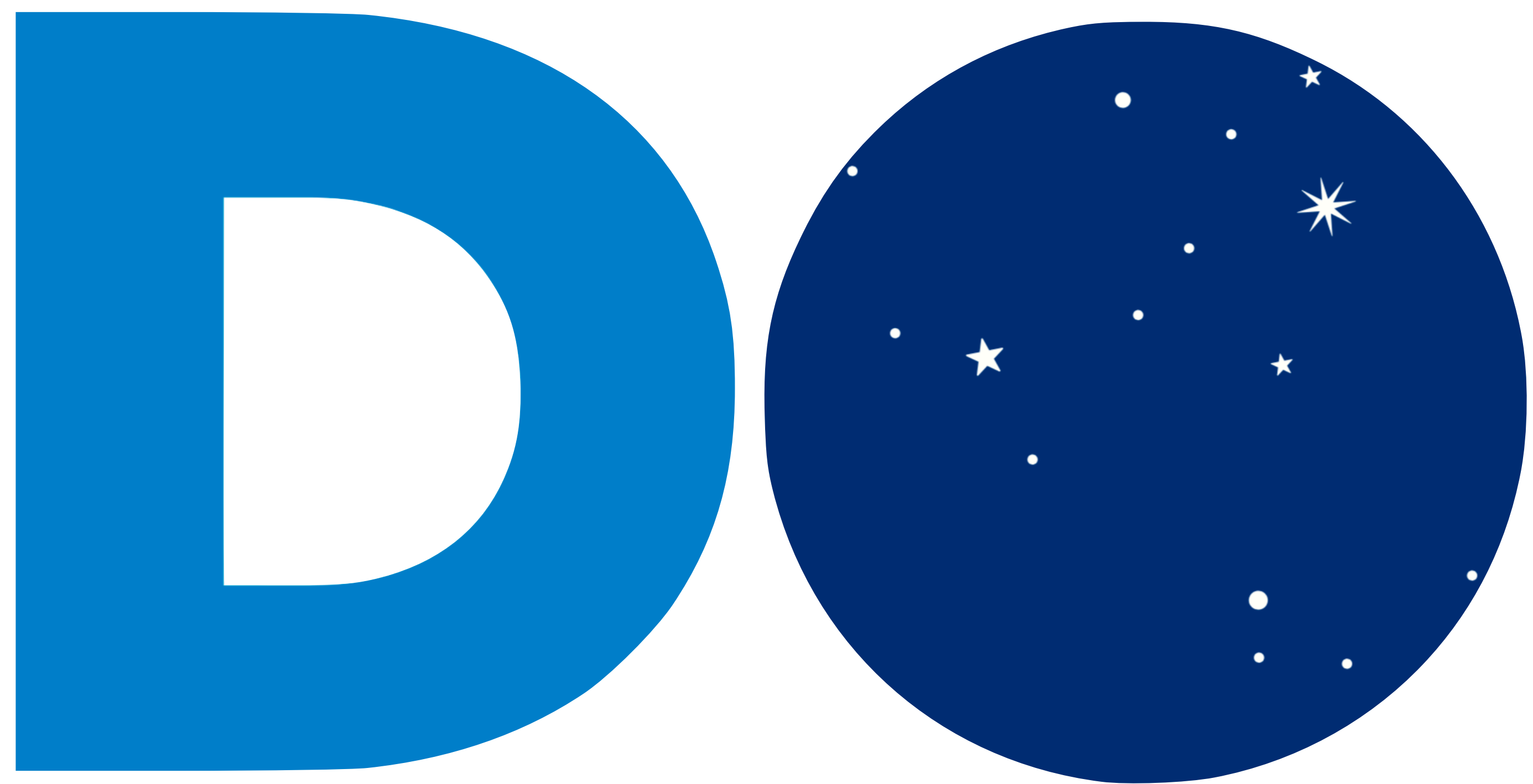
WE ARE LOOKING FOR STRATEGIC MEMBERS



5TH BOARD
MEMBER

- Firms
- Universities
- Data Providers
- Others





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