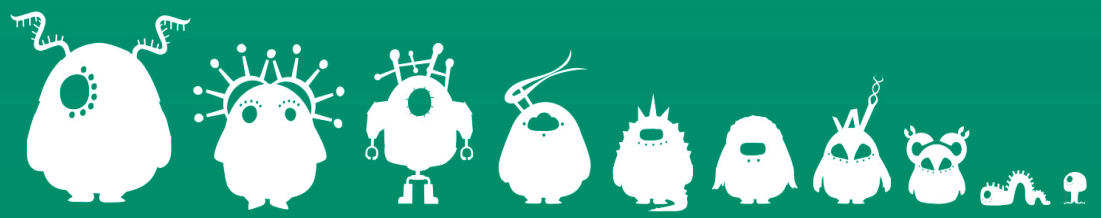
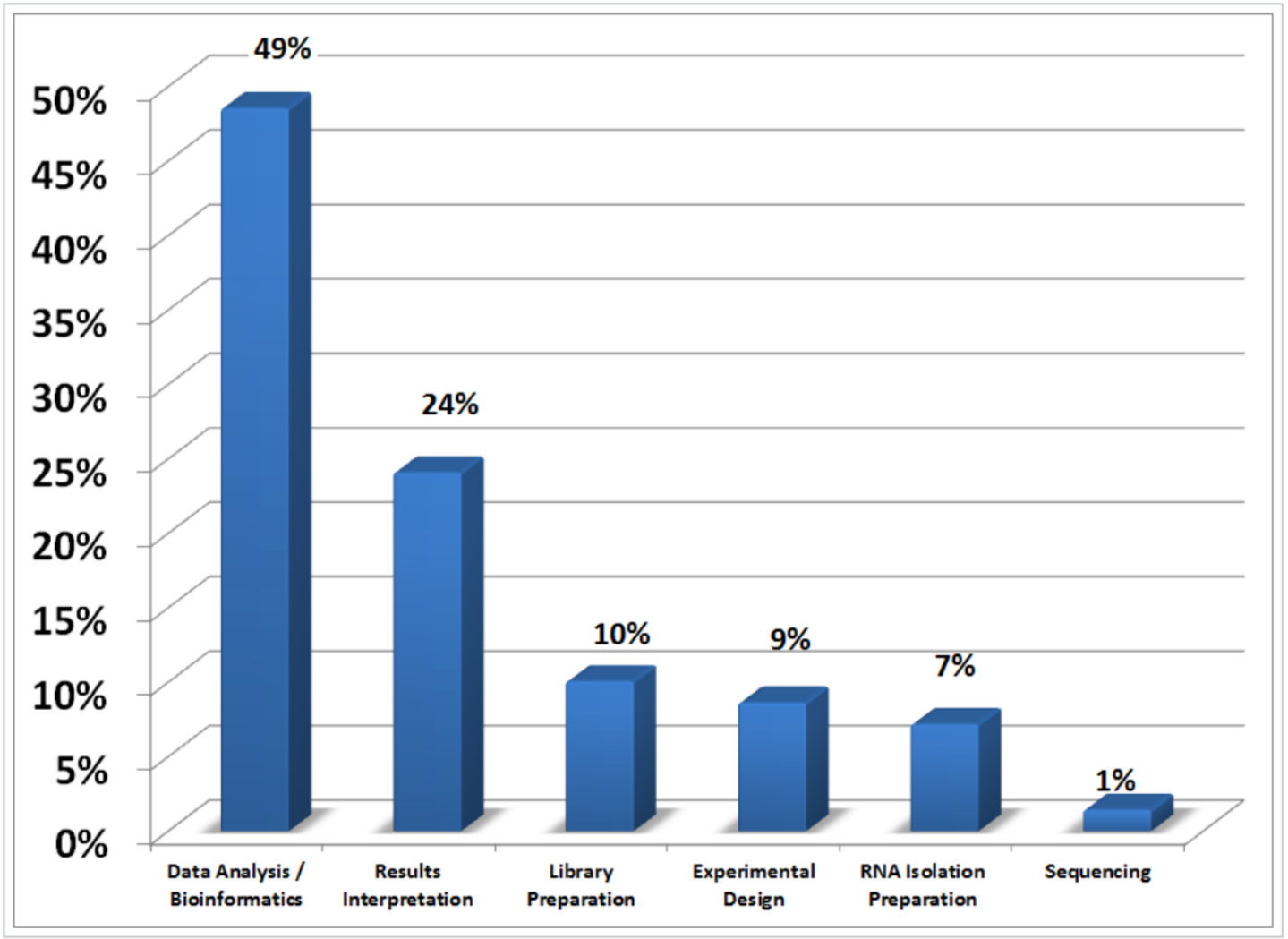
SEQUENTIA

WE TRANSFORM
DATA INTO KNOWLEDGE



We asked: which step of an RNA-seq project do you find most intimidating?



Total Respondents = 287

Rnaseq blog questionnaire 2017

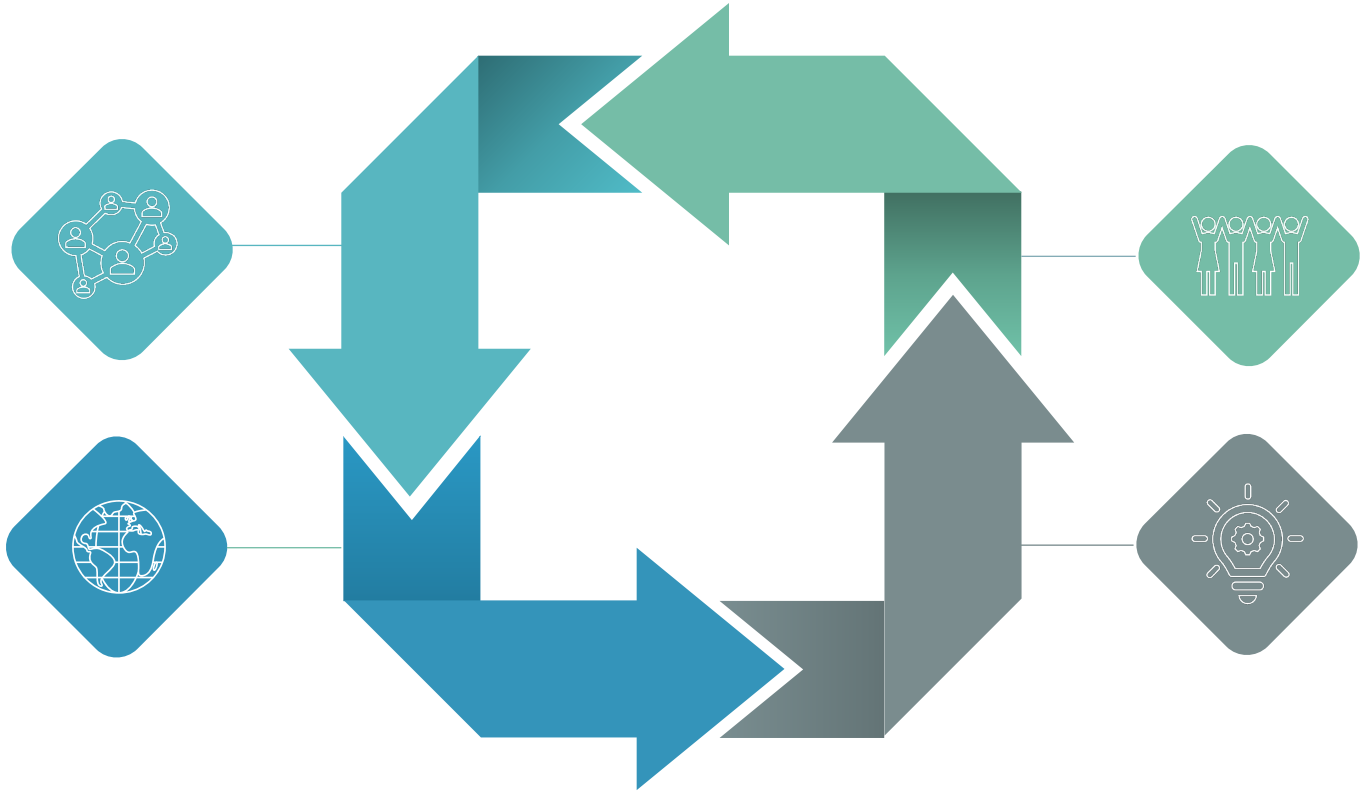
We make *omics* data more accessible for everyone

Our vision

Bring innovation and disruptive technology in the omics and biotechnology fields helping our customers to accelerate their research outcomes

Our mission

Make everyone benefiting from the extraordinary potential that omics has in changing our lives



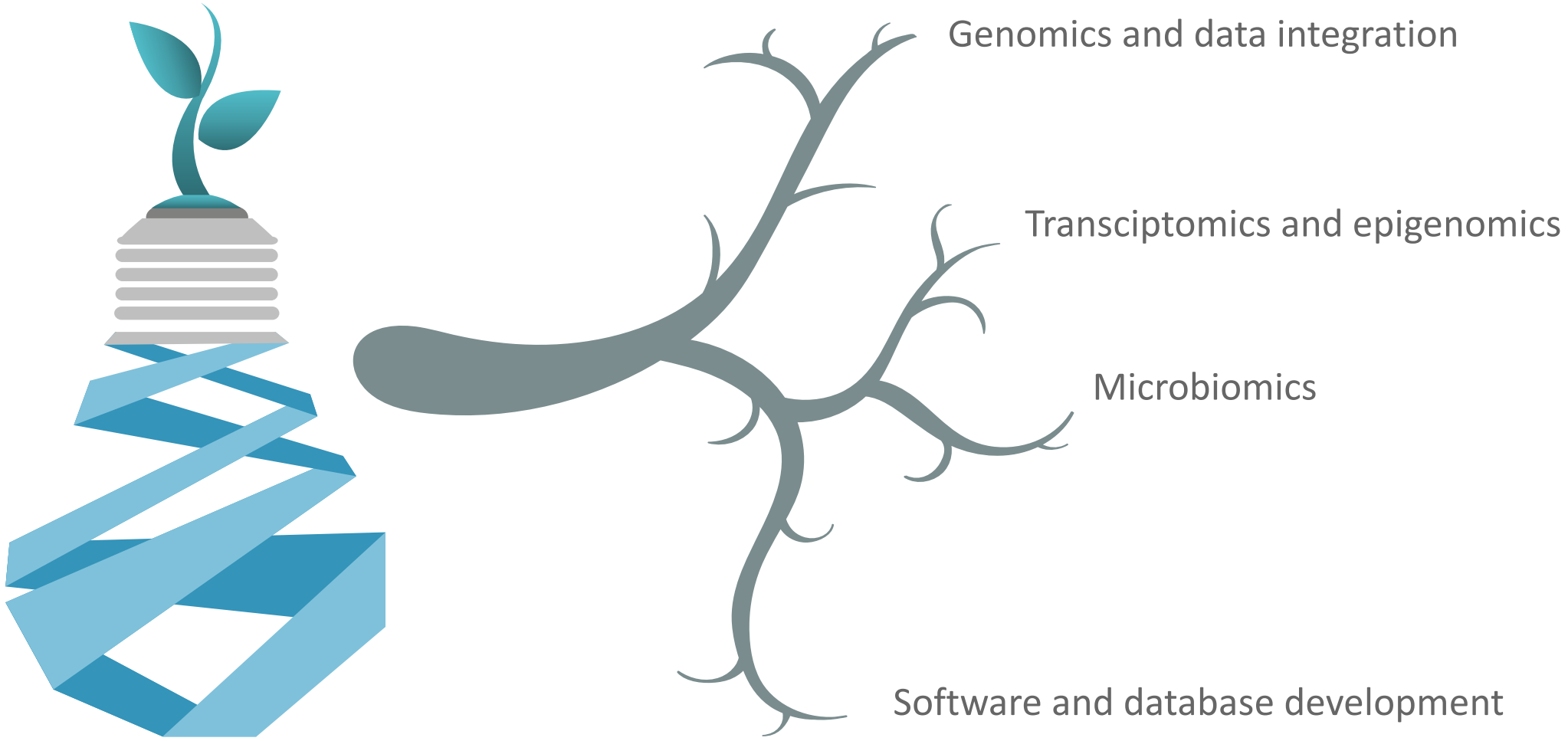
We are

Scientists, we understand the dilemmas our customers face.
Innovative, we have strong commitment and investment in cutting-edge technologies

We offer

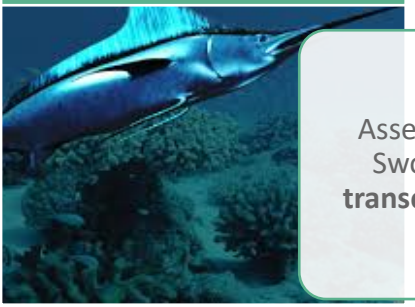
End-to-end solutions and consulting to customers working in basic, applied and industrial sciences

Our expertise



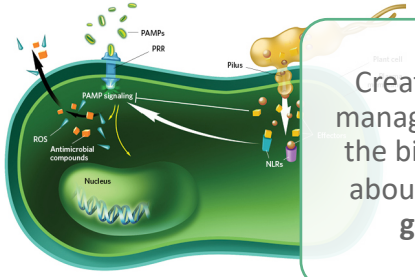
Consulting projects in agrogenomics

De novo transcriptome



Assembly of Swordfish **transcriptome**

Data Mining



Creation and management of the biggest DB about **Plant R genes**

Transcriptomics

Create a **Single cell RNAseq** pipeline

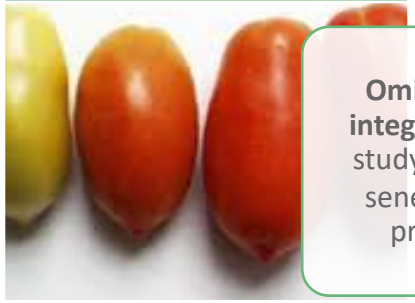
Metagenomics

Amplicon seq and **WGS** to investigate soil microbiome

Metagenomics

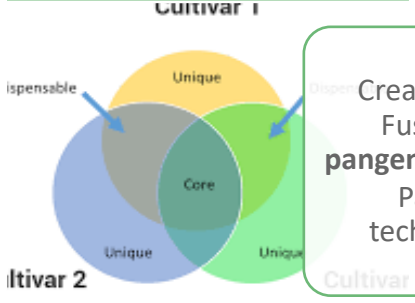
Detect **food contamination** using NGS data

Epigenomics



Omics data integration to study tomato senescence process

Genomics



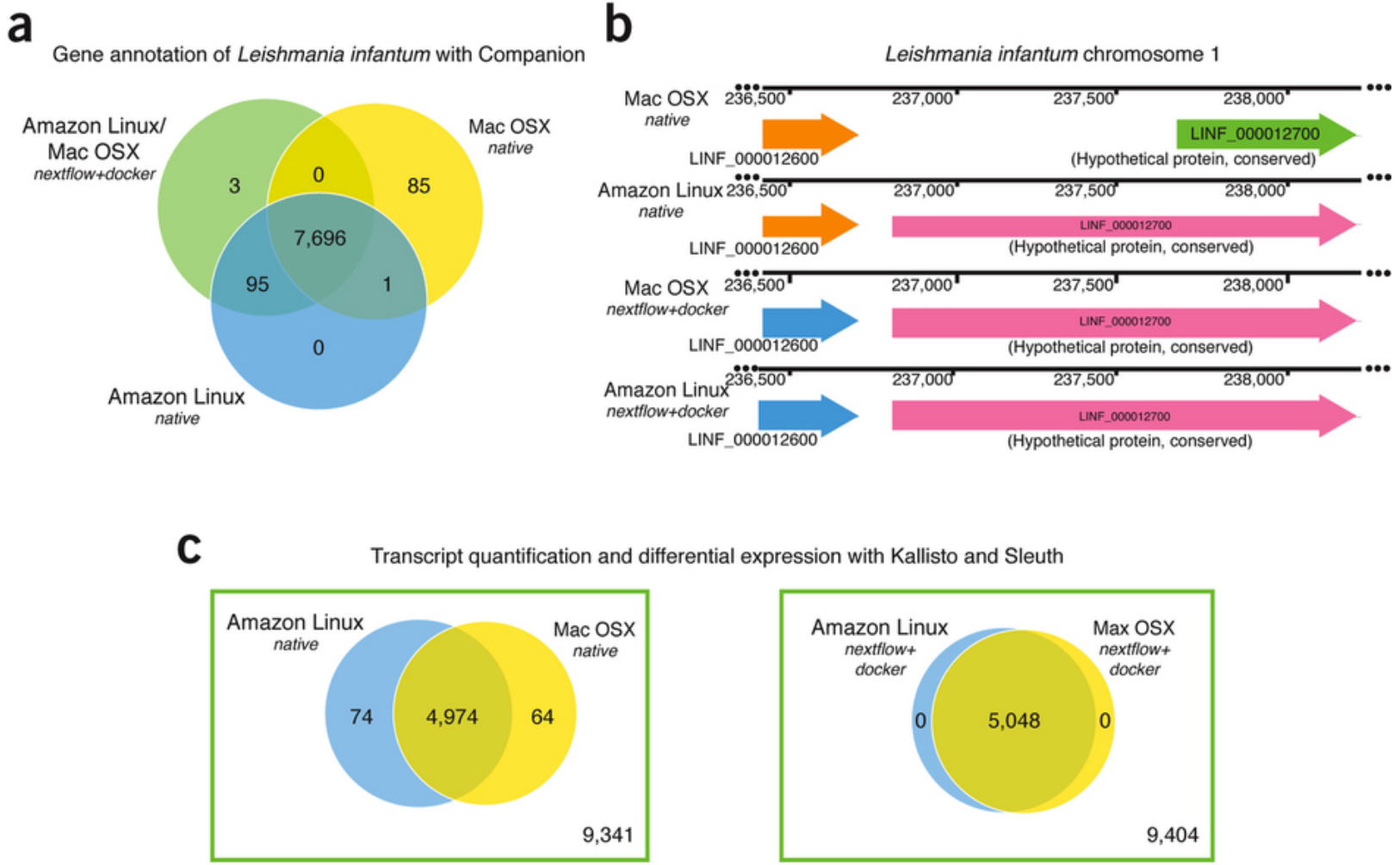
Creation of a Fusarium **pangenome** using PacBio technology

Genomics

De novo sequencing of a cold resistant potato

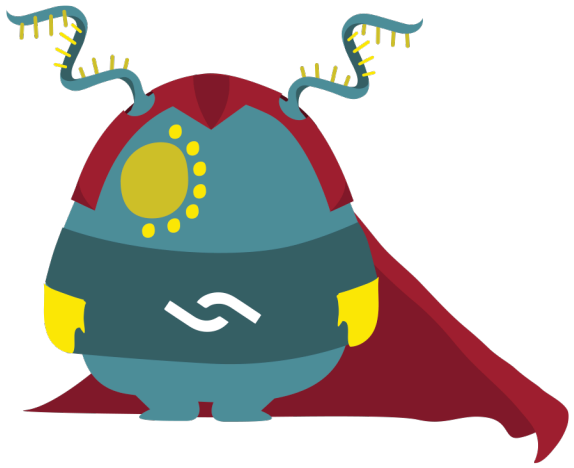
SEQUENTIA

Hundreds of bioinformaticians performing analyses on different platforms and with different methods



Nature Biotechnology 35, 316–319 (2017) doi:10.1038/nbt.3820

AIR – Friendly platform for frightened researchers



01 FAST - Automated analysis, same day results

02 VALID - For any sequenced species

03 UPDATED - Using the latest algorithms

04 Scientifically robust and reproducible

05 NGS Platform agnostic

ion torrent

PACBIO®

illumina®

Oxford NANOPORE Technologies

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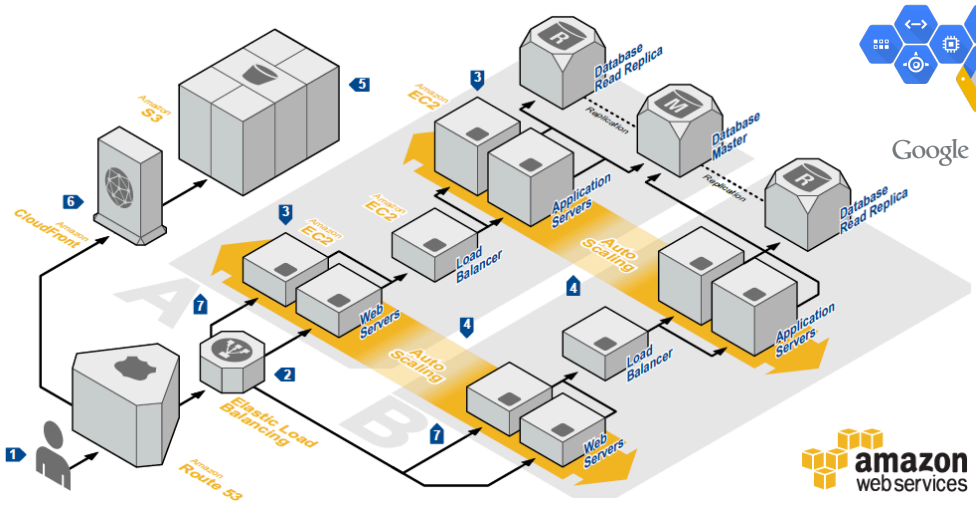
Technologies behind it

IT

- Docker Technology
- Cloud and hybrid solution
- Fault tolerant
- Unlimited computational resources
- Proprietary flow infrastructure

Informatics layer: Seaflow our proprietary flow system



Google Cloud Platform

MACHINE LEARNING

docker

amazon web services

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THANK YOU!

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