eosc

# Carole Goble

## Insights from a UK Bioscience Infrastructure

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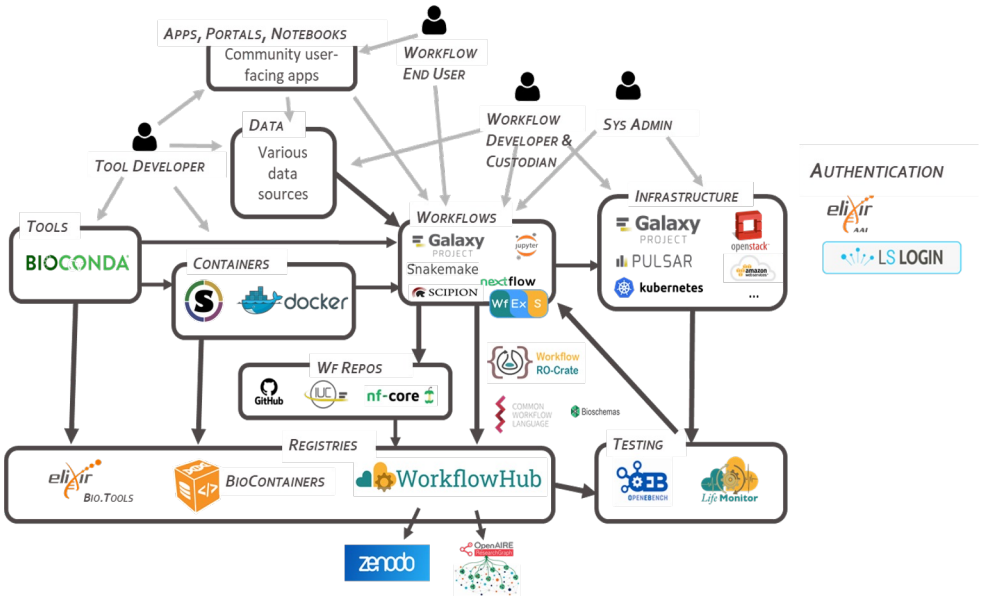
UK Research and Innovation

https://biofair.uk/
https://elixiruknode.org/

# BioCommons of Data and Computational Methods

join the dots of existing research data tools and services, make them accessible & provide people support

# Joining up Services For FAIR Assistance




**FAIR as side effect embedded** into the infrastructure components, assemblage, processes, skills

FAIR metadata **embedded into the data journey** collection, inspection, analysis, deposit

FAIR digital object first

RO-Crate

**Analysis** and **linking across community data hubs** as drivers

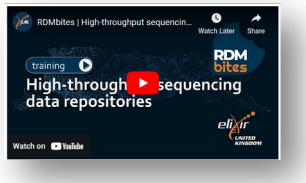
EOSC-Life

EuroScienceGateway

# FAIR Assistance requires shared know-how & people

## Training and Knowledge

how to use and apply these FAIR data methods and resources and share our knowledge




FAIRsharing.org
standards, databases, policies

FAIR cookbook

elixir TeSS

RDMkit

WorkflowHub

Trainers, Research Software Engineers & Data Stewards

## Community

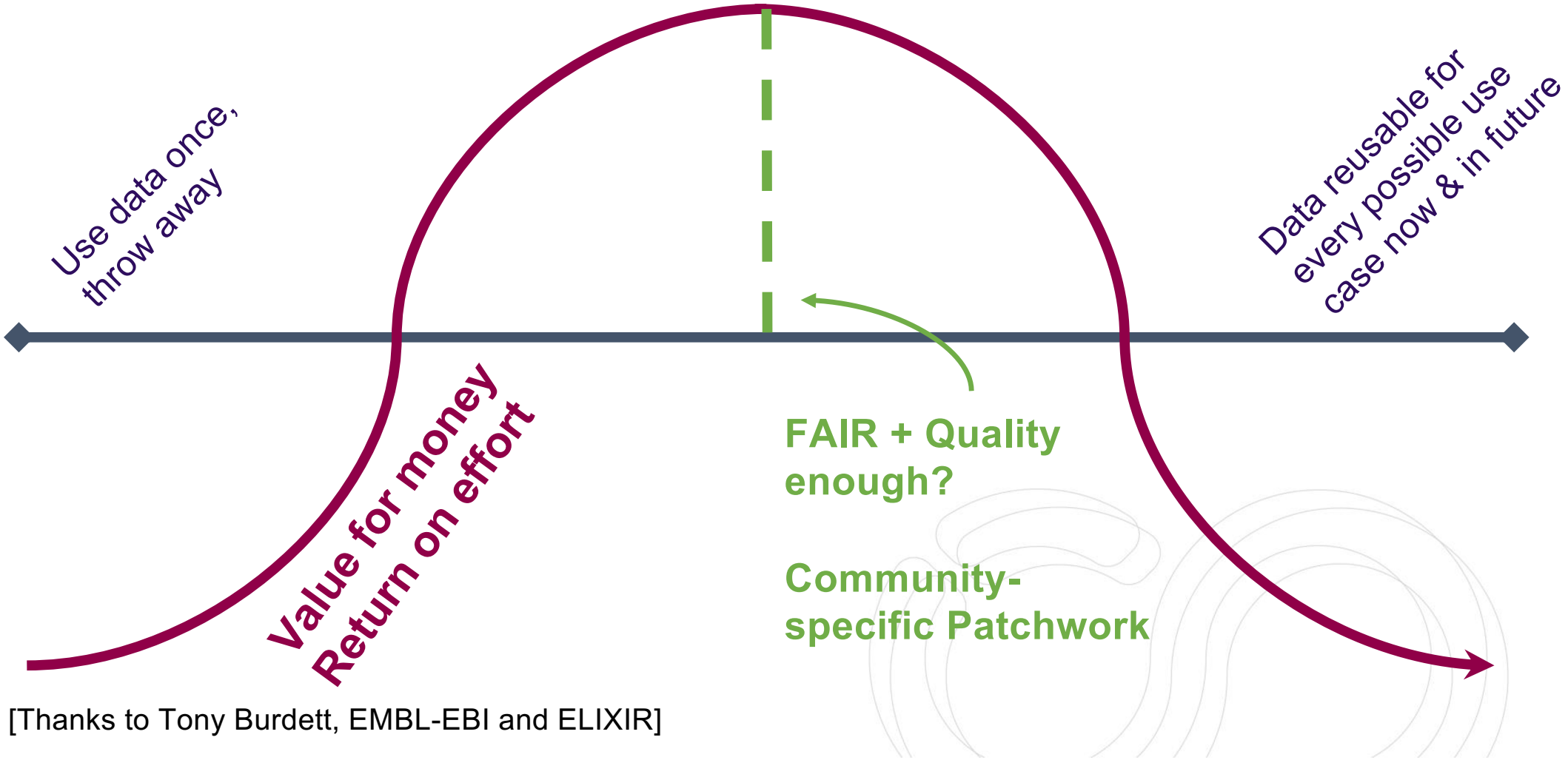
for FAIR and quality data in their fields, share and promote FAIR & quality practice

UK Fellowship (community building · data management · data stewardship · training)

Proteomics
Single Cell Omics
Plant Phenotyping
Human Genomics
Microbiome
Bioimaging
Systems biology……etc

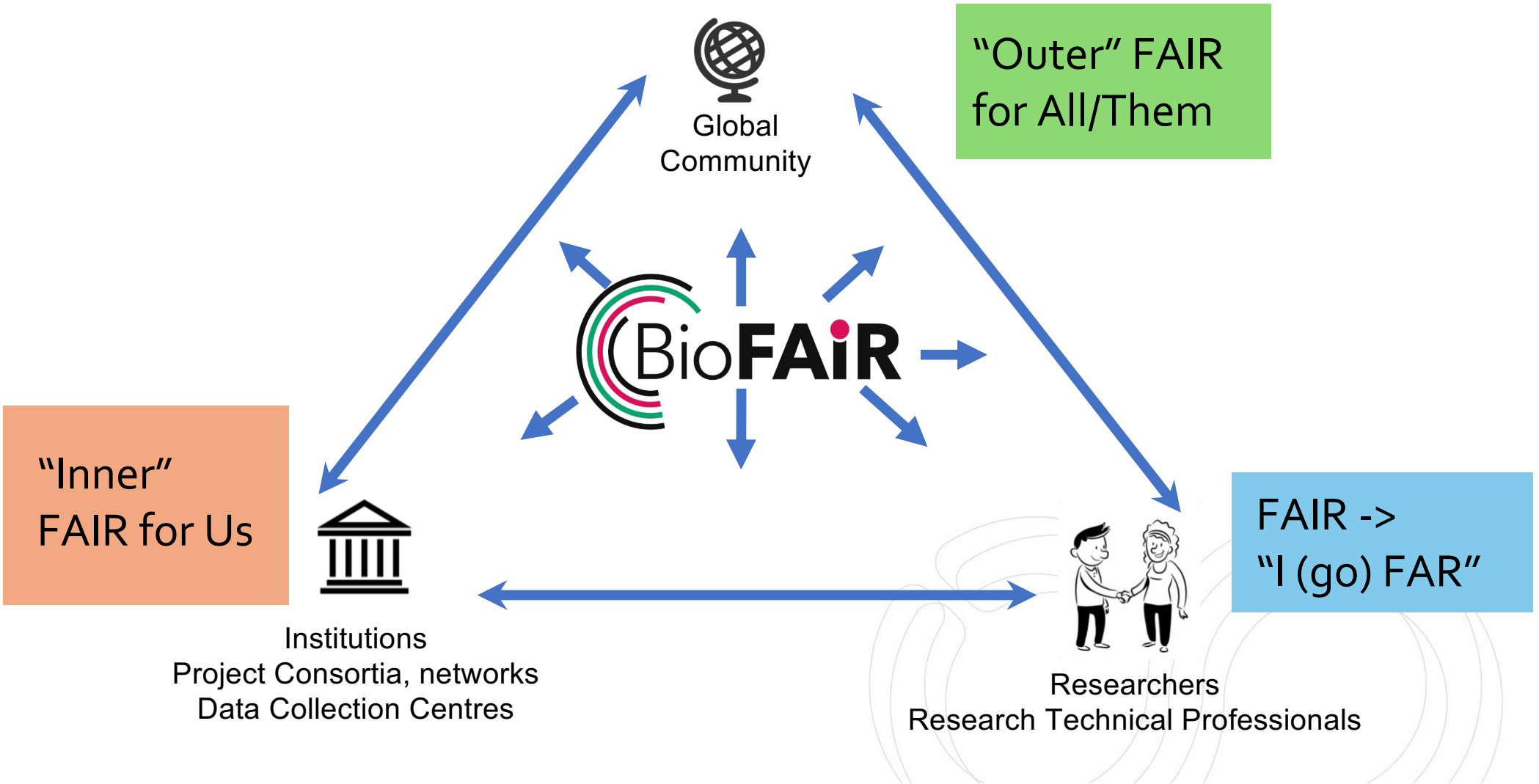
Community Ambassadors

# 1. FAIR (Quality) - Community/Use case Spectrum

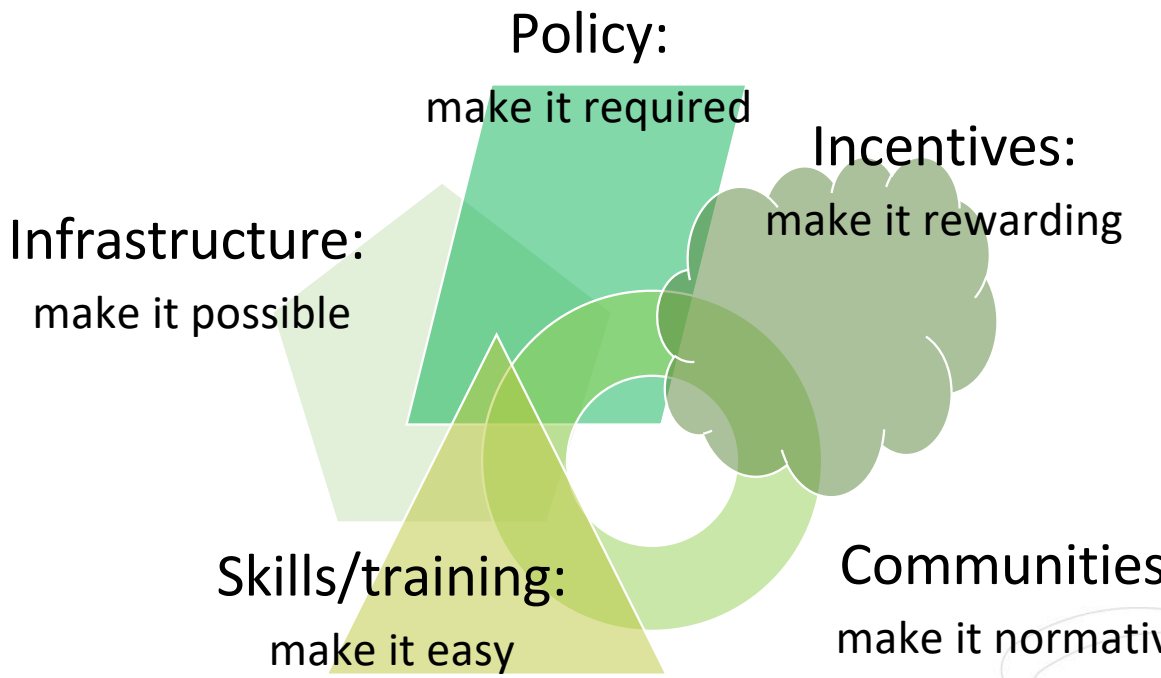



[Thanks to Tony Burdett, EMBL-EBI and ELIXIR]

# 2. Think Global, Think & Act Local



# 3. Cultural Change is driven by Benefits
# No simple metrics – impact measures




HOW

WHY

AI READINESS

FUTURE ANALYSIS

PEER COLLABORATIONS

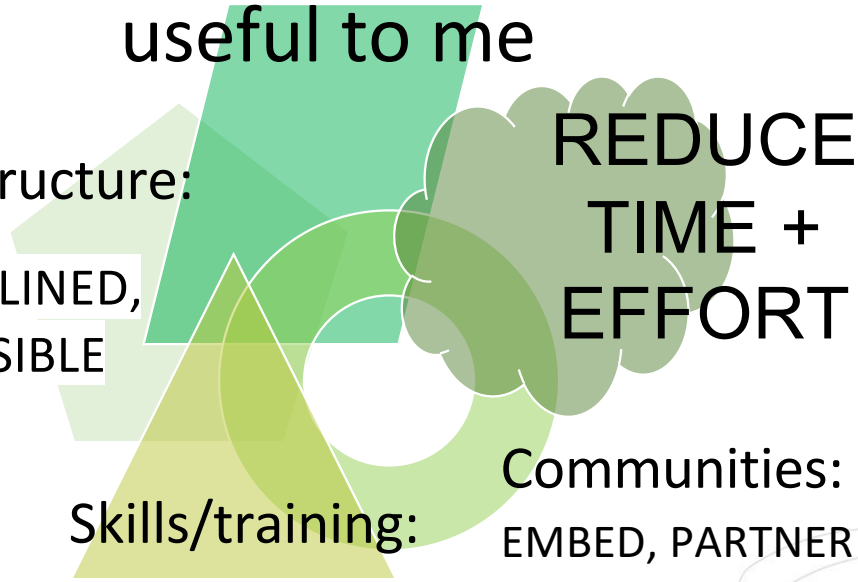
PUBLISH

FUTURE STUDIES

PRODUCTIVITY-COMPETITIVE ADVANTAGE

Adapted by Michelle Barker from Brian Nosek, Strategy for Culture Change (2019)

# “Metrics” for reducing Complexity, Time and Effort



Make it useful to me

REDUCE TIME + EFFORT

Infrastructure:

STREAMLINED, ACCESSIBLE

Communities:

EMBED, PARTNER

Skills/training:

PEOPLE, PROCESSES

KNOWLEDGE, LIBRARIES OF PRE-COOKED

make it easier

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