

POWERED BY .STAT SUITE

ENABLING SDMX INNOVATION ACROSS THE DATA LIFECYCLE

PREPARED AND PRESENTED BY JONATHAN CHALLENGER, COMMUNITY MANAGER, SIS-CC

THE STATISTICAL INFORMATION SYSTEMS COLLABORATION **COMMUNITY**



المركز الاتحادي
للتنافسية والإحصاء
FEDERAL COMPETITIVENESS
AND STATISTICS CENTRE



Statistics
Canada

Statistique
Canada



Centraal Bureau
voor de Statistiek



Food and Agriculture Organization
of the United Nations



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

STATEC



إحصائيات تونس
STATISTIQUES TUNISIE



Pacific
Community
Communauté
du Pacifique

Département fédéral de l'intérieur DFI
Office fédéral de la statistique OFS



UK Data Service



Australian
Bureau of
Statistics



Eurosystem



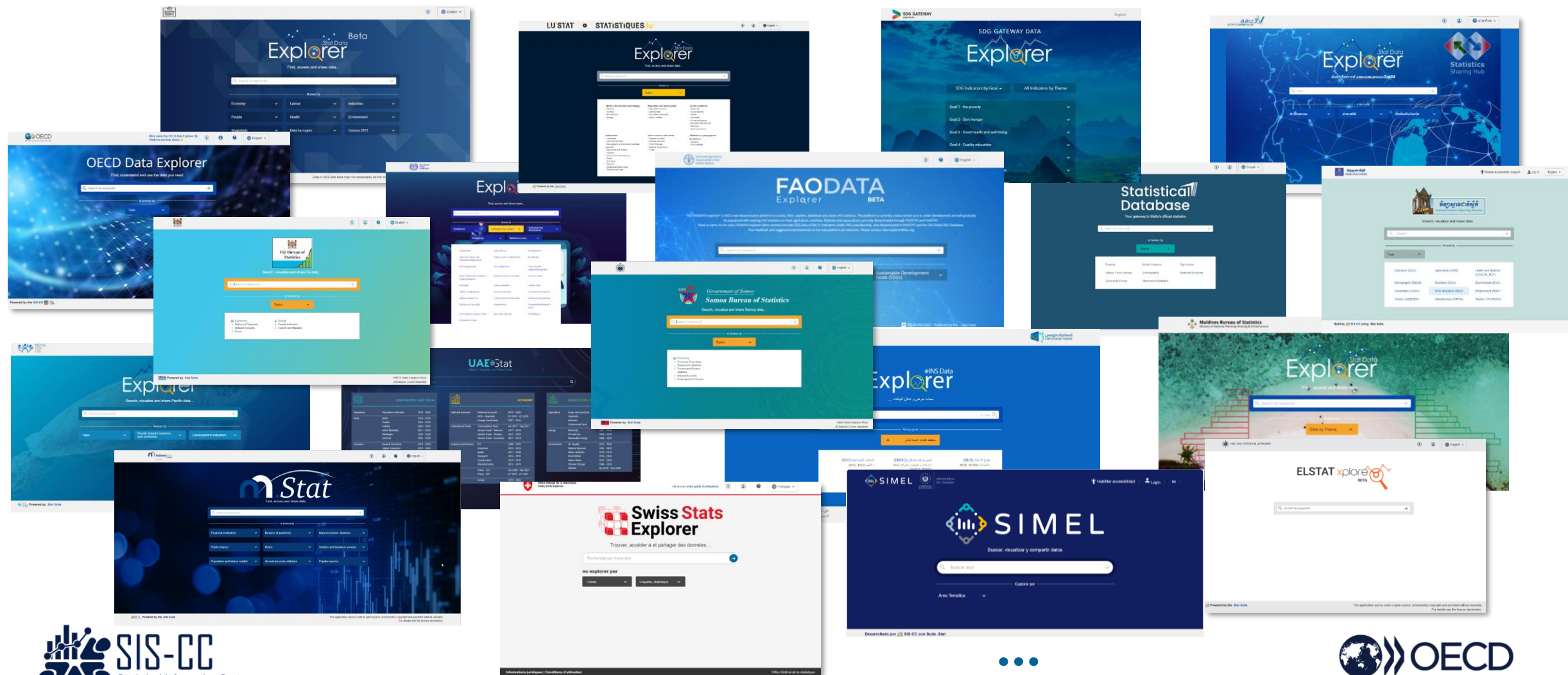
Tatauranga Aotearoa




BETTER POLICIES FOR BETTER LIVES

SIS-CC (“the Community”) is a reference open-source community for official statistics, focusing on product excellence and delivering concrete solutions to common problems through **co-investment and co-innovation**.

POWERED BY .STAT SUITE




POWERED BY .STAT ACADEMY



An introduction to SDMX for data producers

In this course, you will learn about the Statistical Data and Metadata e standard and how it is applied in the .Stat Suite context.


David Barraclough | 943 | 659



SDMX vocabulary for beginners

In this course, you will learn about routine SDMX vocabulary to describe statistical data tables.


Jens Dossé | 630 | 334



An introduction to SDMX structural modelling producers

In this course, you will learn about the Statistical Data and Metadata e data modelling and how to practically apply it in the .Stat Suite context.

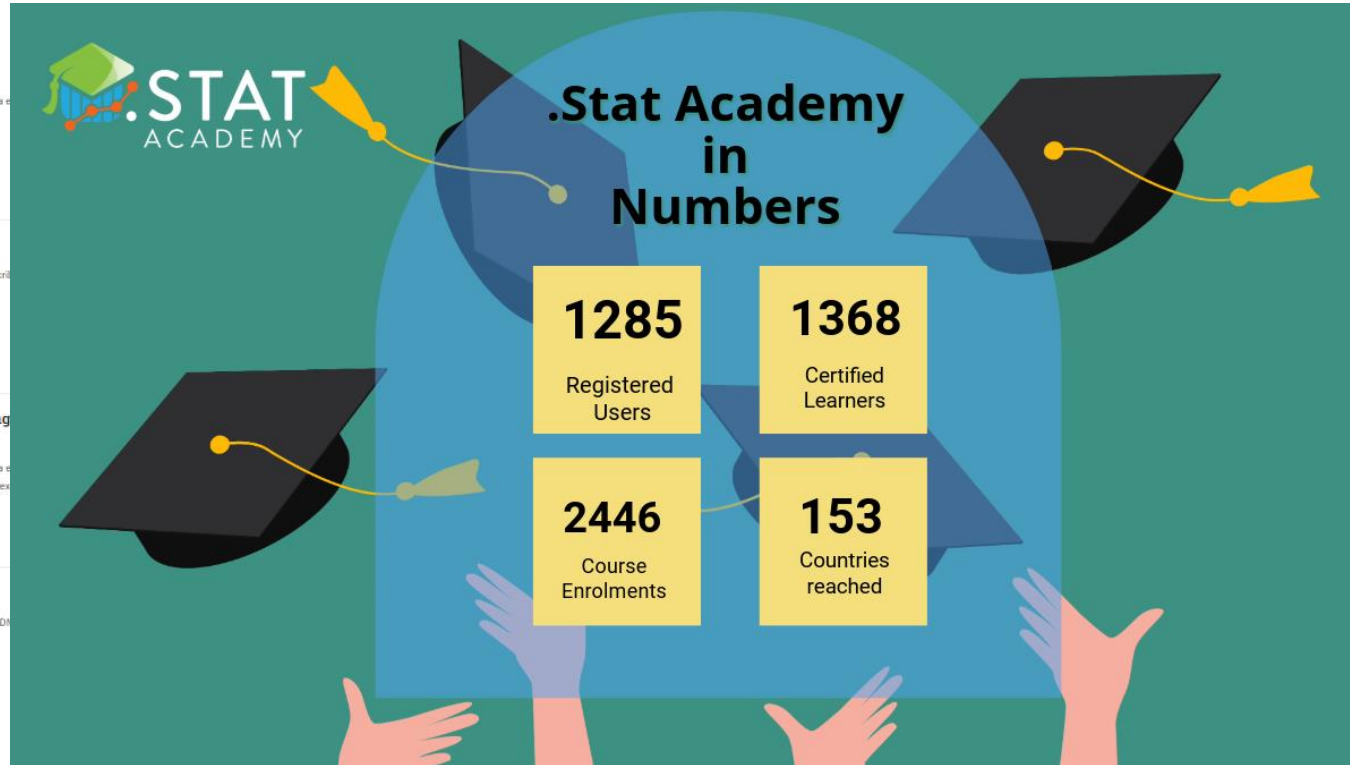
David Barraclough | 427 | 148




SDMX vocabulary for data managers

In this course, you will further extend your understanding of basic SDMX general data related processes.

Jens Dossé | 97 | 63






Introduction to the .Stat Suite open source framework

In this course, you will learn about the .Stat Suite Open Source Framework.


Jens Dossé | 22 | 77



Get started with Docker, Docker-Compose, and Kubernetes

In this course, you will learn about docker, docker-compose, and Kubernetes to prepare for the .Stat Academy foundation level courses.


Pedro Carranza | 20 | 33



Disseminating data with an optimised end-user experience

In this course, you will learn best practices to optimise the user experience of data disseminated with the .Stat Suite Data Explorer.

Jens Dossé | 65 | 23



Creating and applying mappings for the .Stat Suite

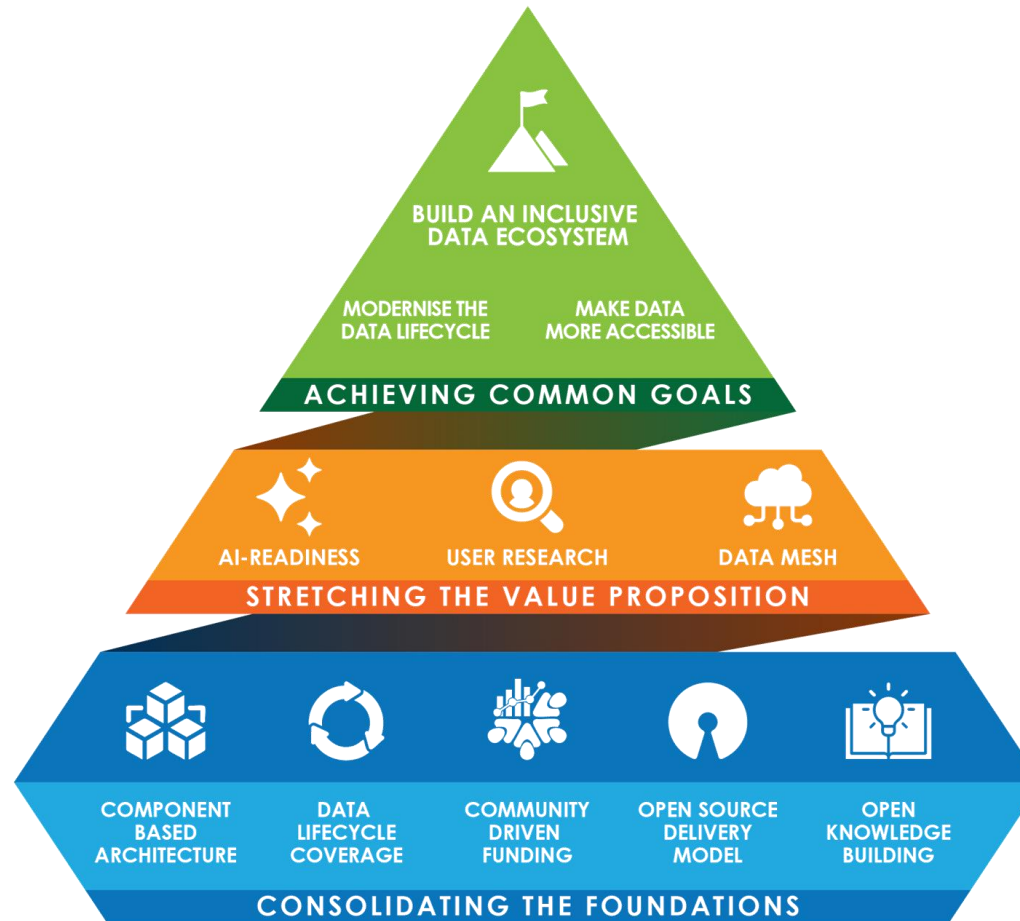
In this course you will learn about creating and applying mappings for the .Stat Suite.

Anastassia Samsonova | 37 | 8

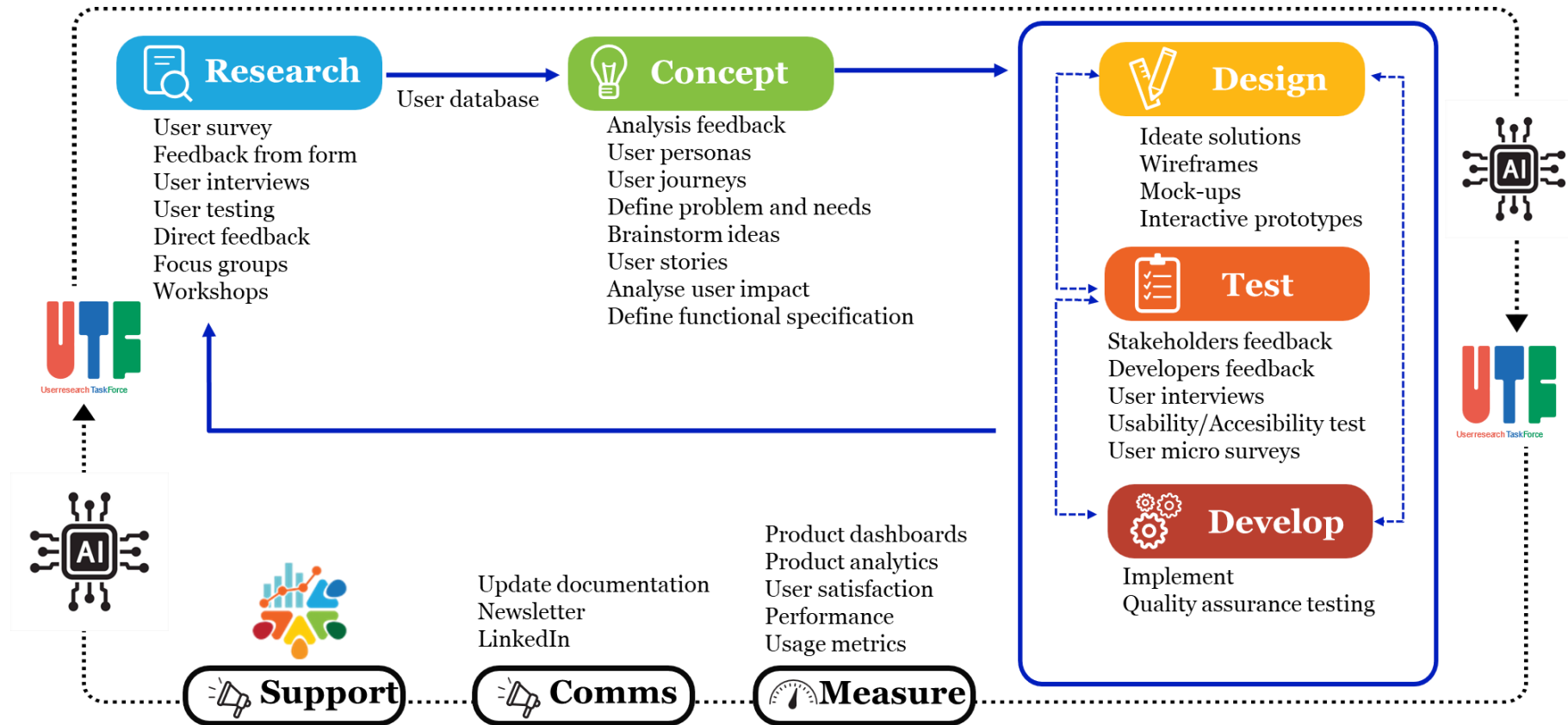
2026-2030 SIS-CC STRATEGY

Product *AI-Readiness*

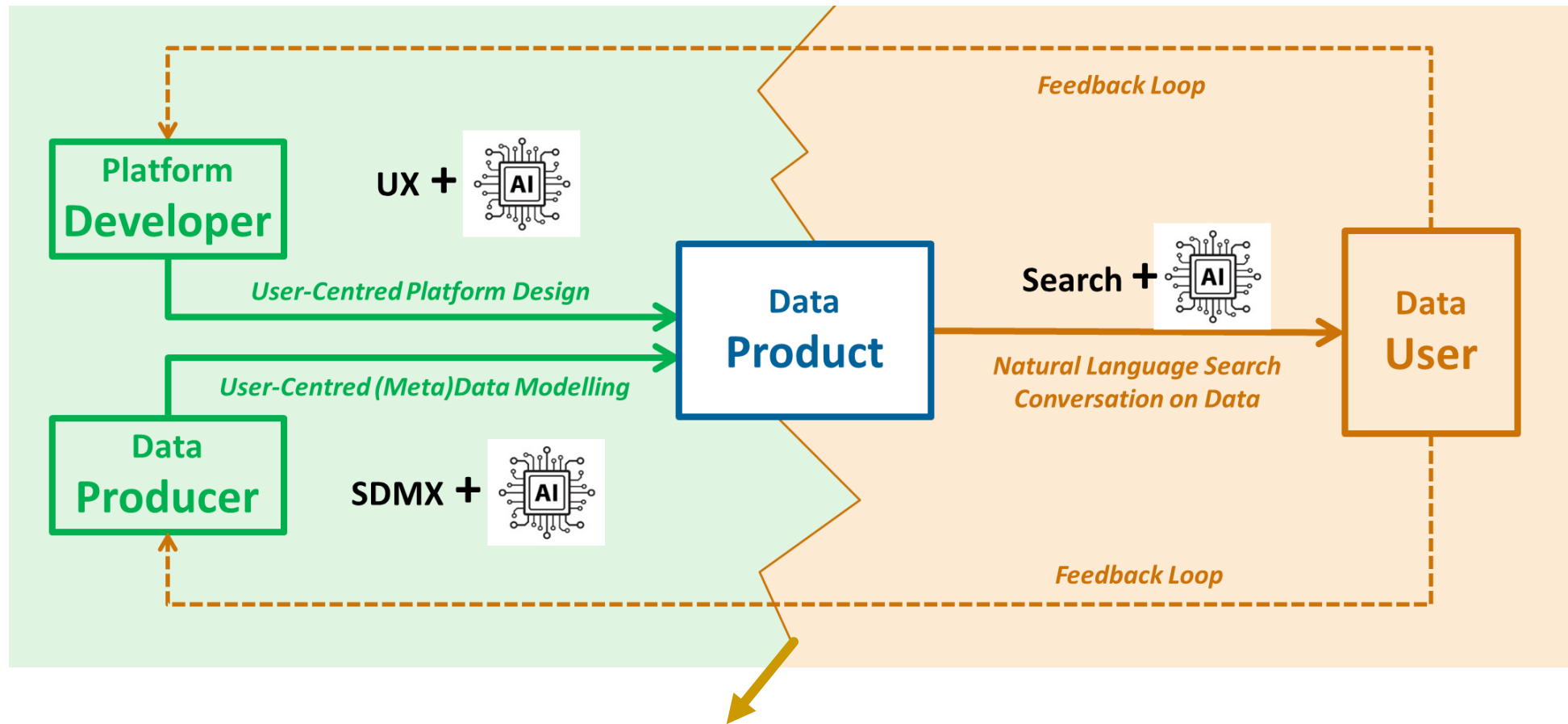
Mainstream *User Research*



DRIVEN BY USER RESEARCH

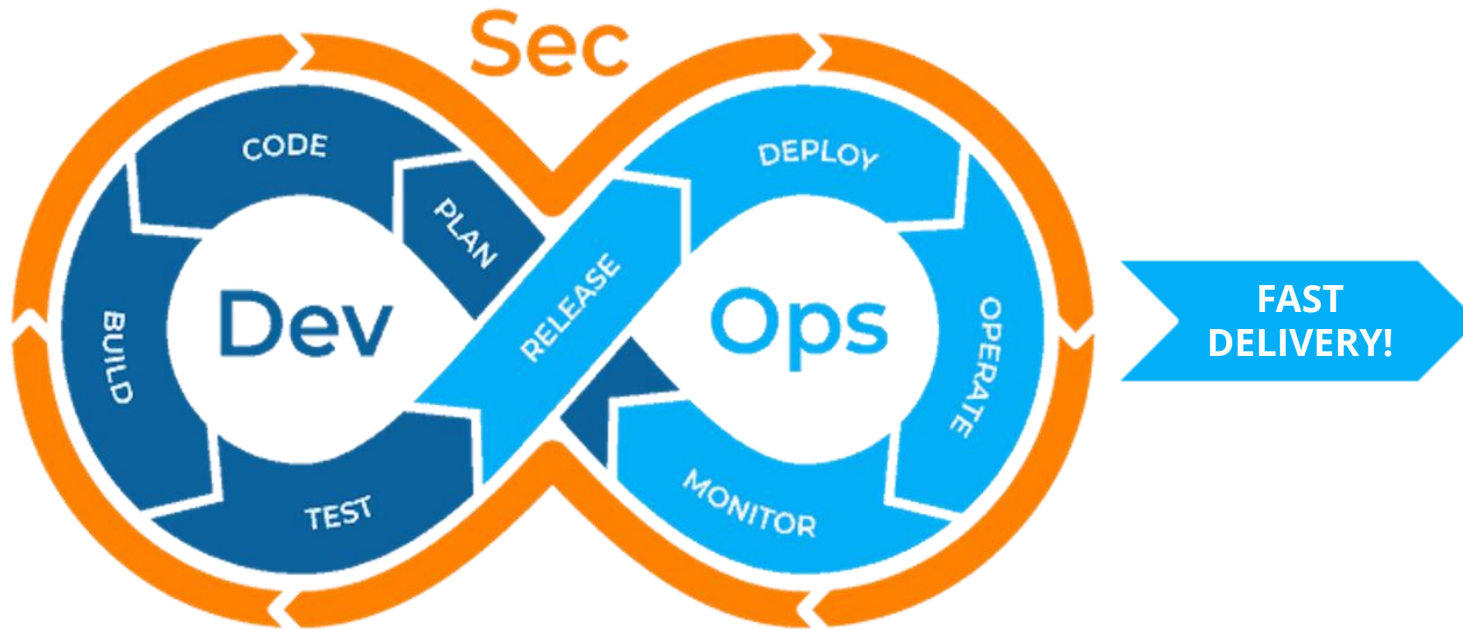


STRETCHING THE VALUE WITH AI-READINESS



Closing the cognitive gap between the data producer and the data user

UNDERPINNED BY DEVSECOPS



+1 release/month
on average over 2020-2025

Fast delivery of quality features requires test automation at scale

Automated Functional tests

60% coverage – target 70%
in Unit Testing automation
+ Extensive test framework for
SDMX-RI 

Integration testing with 
POSTMAN

End2End with GUI testing

Shared functional testing
environment between members
Member-specific testing scenarios

Automated Performance tests

K6 Framework

Smoke Testing
Load Testing
Stress Testing
Soak Testing



Regular audits by members

“Blazing Fast” Task Force

Automated Security tests

Extensive vulnerability checking
Static app. security testing (SAST)
Dynamic app. security testing (DAST)
Software Composition Analysis (SCA)
(Dependency Scanning)

Container & Docker image scanning



Regular security audits by members
Regular market reviews to pick best-
in-class tools



#OpenSource requires mastering DevSecOps

Focus on web accessibility

Ethical and moral obligation
Legal compliance
Business benefits



The A11Y Project

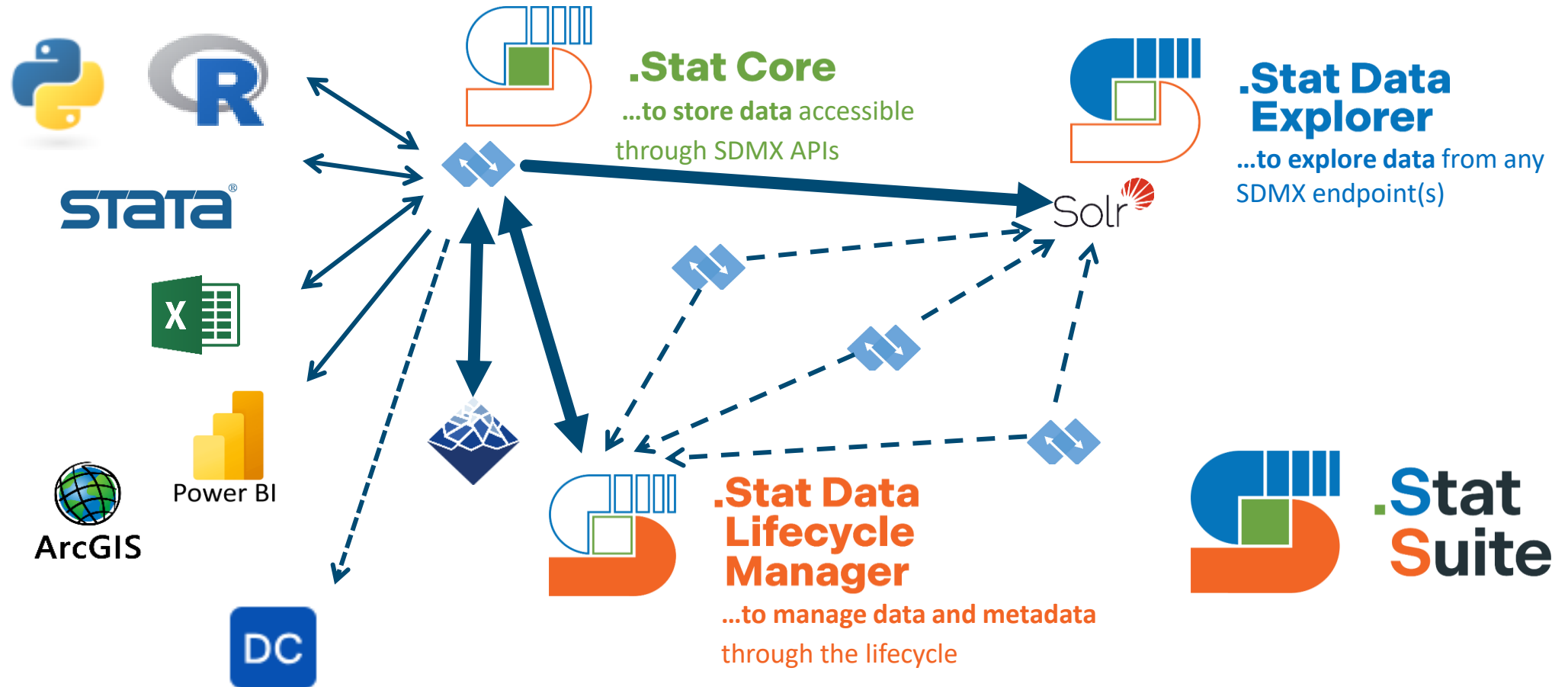
Main challenges

Balancing test coverage and cost
Continuously reduce marginal cost of testing
Continuously measure and improve
Enable wider cooperative testing

Using AI for Software QA

Generate test data
Generate scenarios for automated testing
Scan code for vulnerabilities

.STAT SUITE POWERED BY SDMX

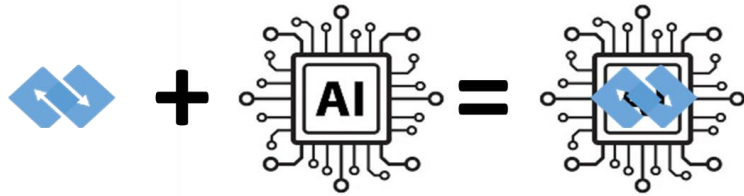


TOWARD FULL SDMX 3.X SUPPORT



- More efficient management of data and metadata
- More flexible management of structural metadata (especially, code lists)
- Support of microdata and geospatial features
- Support of process metadata to enable “metadata-driven” approach
- Improved presentation of (very large) data tables through efficient pagination

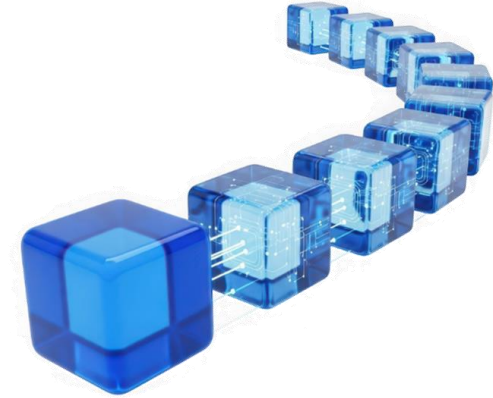
WHAT'S NEXT FOR .STAT SUITE



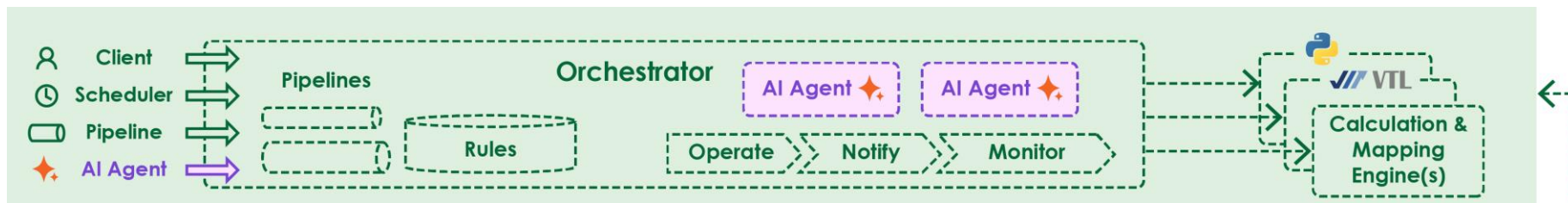
SDMX+AI
for data accessibility



Hyper cloud-scalable

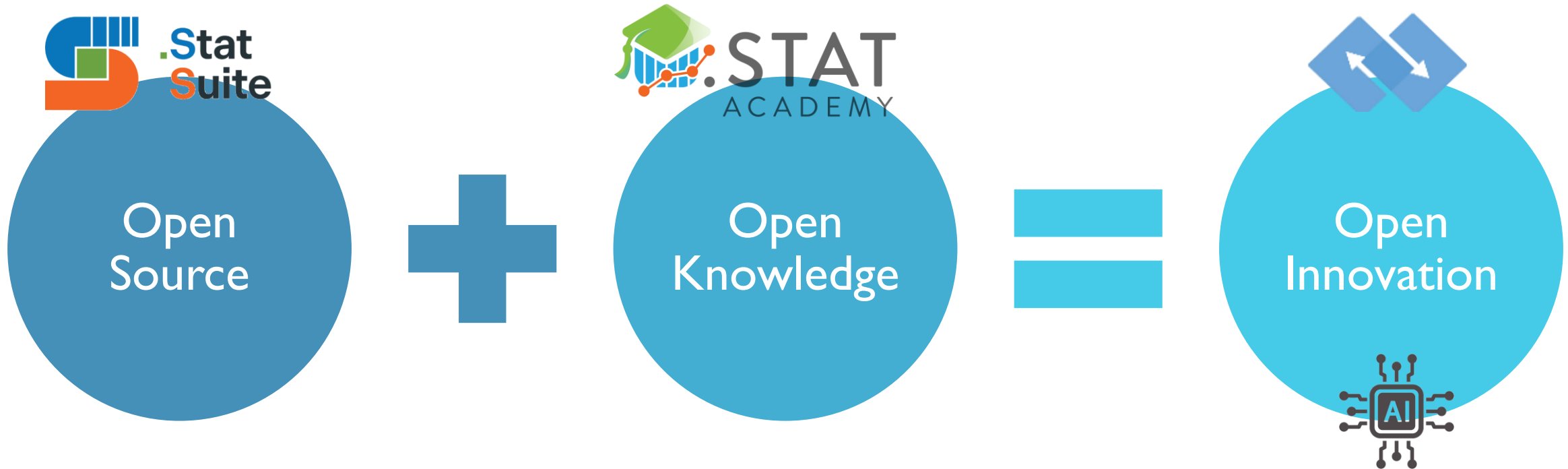


Next Generation SDMX
(meta)data modelling



SDMX calculation & orchestration

THE SIS-CC STRATEGIC VALUE





THANK YOU

✉ JONATHAN.CHALLENGER@OECD.ORG

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