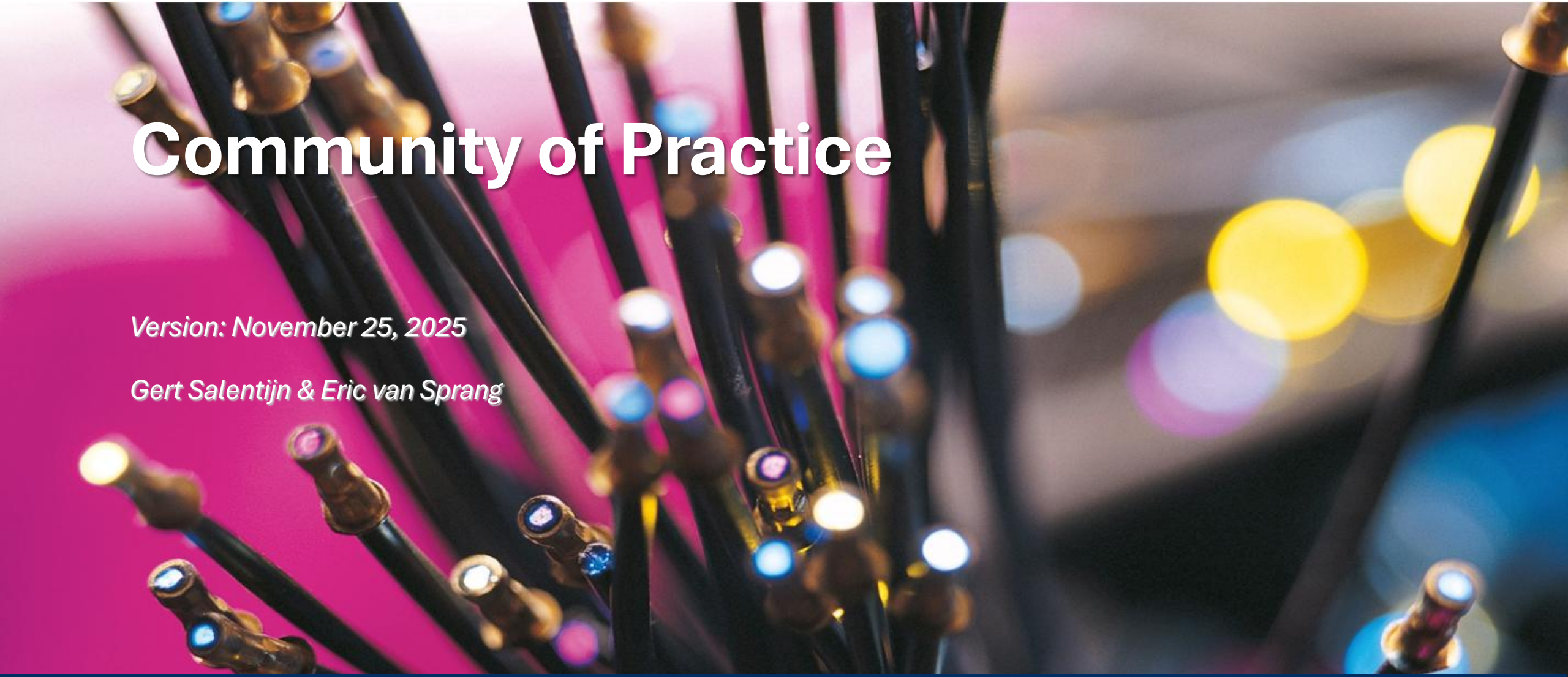
COAST
Community of Innovation



# Community of Practice

*Version: November 25, 2025*

*Gert Salentijn & Eric van Sprang*

# Content

- Welcome & Objective
- What is a Community of Practice (CoP)
- Showcase from COAST: Pharma / ICH Q14
- Other Examples
- Interactive: what are the drivers of success?
- Wrap-up & Invite for a Cop of Coffee

COAST
Community of Innovation

# THE COAST COMMUNITY

COmprehensive Analytical Science and Technology

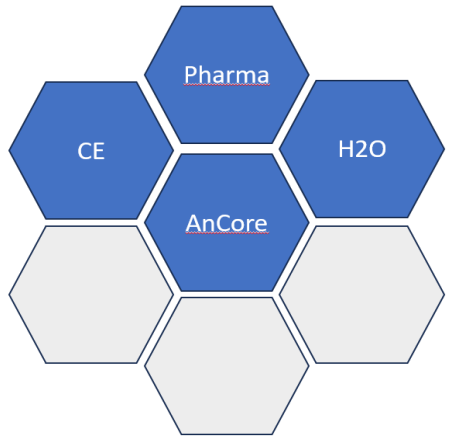
Our mission:
"To advance analytical science in the Netherlands by strengthening R&D, human capital and analytical community"

R&D
Advancing R&D and innovation in analytical technologies

Uniting and connecting analytical professionals

formulate and tackle analytical challenges

joint research programs




* thematically
* expertise
* strategic

connecting

education

(semi-)government

companies

Sharing knowledge via joint programs and learning community

Improving education in analytical science

increase the number of graduates

Providing access to top students and an active international world-class network

DENKSCHETS.NL

# Objective

## Objective of today?

- Create awareness and insights of a Community of Practice (CoP)
- Showcase how a community of practice can function and how you might benefit from it
- Capture the key drivers for success (together) & the benefits of a CoP
- Learn from your experiences and perspectives

# Welcome & Introduction

## Gauge the room:

- Who are you?
- What's your affiliation?
- Why are you here?

## Question(s):

a) What does a Community of Practice mean to you?

b) Do you have examples of successful collaboration?

c) Where is learning or innovation currently blocked in your environment?

# What is a CoP?

## What is a Community of Practice? (our interpretation)

- People with shared challenges in a professional working environment
- Active learning, iterations and sharing knowledge & experiences
- Community driven: the members define the agenda
- Strong focus on leaning and sharing solutions

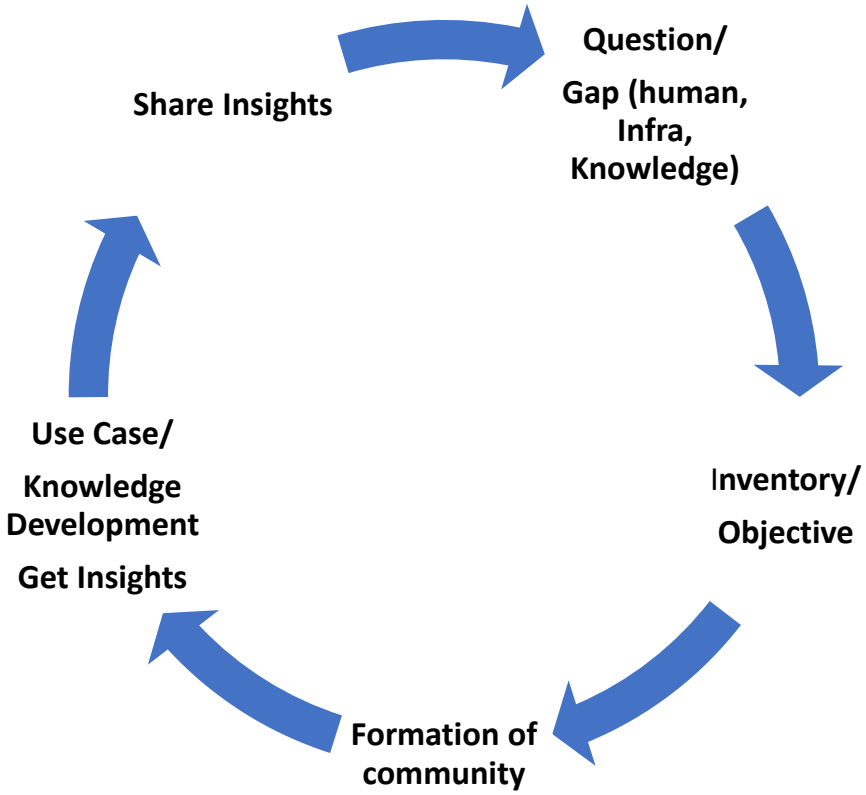
## Why does it work?

- Let explore why this works in practice.

# Show case

## Community of Practice Pharma: ICH Q14 working group

# Show case


Question/
Gap (human, Infra, Knowledge)
Inventory/
Objective
Formation of community
Use Case/
Knowledge Development
Get Insights
Share Insights

# Show case

- Understanding the impact of the new guideline
- From guideline → practice through a step-by-step approach
- Participants worked on their own use cases
  Gaps → training, workshops, student projects

ICH
harmonisation for better health

INTERNATIONAL COUNCIL FOR HARMONISATION OF TECHNICAL REQUIREMENTS FOR PHARMACEUTICALS FOR HUMAN USE

**ICH HARMONISED GUIDELINE**

**ANALYTICAL PROCEDURE DEVELOPMENT**
**Q14**

Draft version
Endorsed on 24 March 2022
*Currently under public consultation*

# Show case

## Scouting session Kick-off

Identify **shared challenges** and **relevance** (Impact)

## Demand/Challenge(s):

- What is the impact of the ICH Q14 guideline on my organization?
- What does it mean?
- Where do I start?
- How do I implement such a guideline?
- How do I communicatie with the regulatory bodies?
- Who can help me?
- …..

# Show case

## Session I:

### From Guideline to Practice

- Breakdown of the guideline (steps)
- Assess the impact of each step within your organization (Technical, Management)
- Apply each step on own use case
- Share experiences & Collect insights
- Define next steps

## Session II:

### From Gaps to Learning Actions

- New insights reveal knowledge gaps and missing capabilities
- Input to define concrete internships and student assigments
- Feed back into talent programmes and professional development
- Identify training needs and missing competences
- Organize targeted workshops or courses

# Other Examples

## Circular Economy (CE) – Demand/Needs

- Insight into circular material streams and analytical issues
- Tools for sorting, quality assessment, and recycling
- Value-chain collaboration on shared challenges
- Support to initiate and structure circular R&D projects

## Analytical Core – Demand/Needs

- AI/ML for analytical data interpretation and method development
- Lab automation and digitalized, high-throughput workflows
- PAT technologies and new measurement principles
- Industry 4.0/5.0 applications (soft sensors, predictive maintenance, digital twins)
- Enhanced real-time monitoring and process control

# Other Examples

## H20 Demand/Needs

- Stronger links between labs, research groups, and education
- Development of shared R&D lines in wastewater topics
- Joint identification of industrial water challenges

## Pharma Demand/Needs

- Clear implementation approach for ICH Q14
- Harmonized analytical method development practices
- Exchange of challenges across companies and suppliers
- Strengthened human capital and analytical infrastructure

# Wrap Up

## What is a CoP for us?

- A strategic, structured active-learning group
- Community-driven: defined by members and their shared challenge
- Connecting education, research and business practice
- Developing expertise faster, sharing it wider, securing it better
- Applying knowledge with impact to current and future challenges

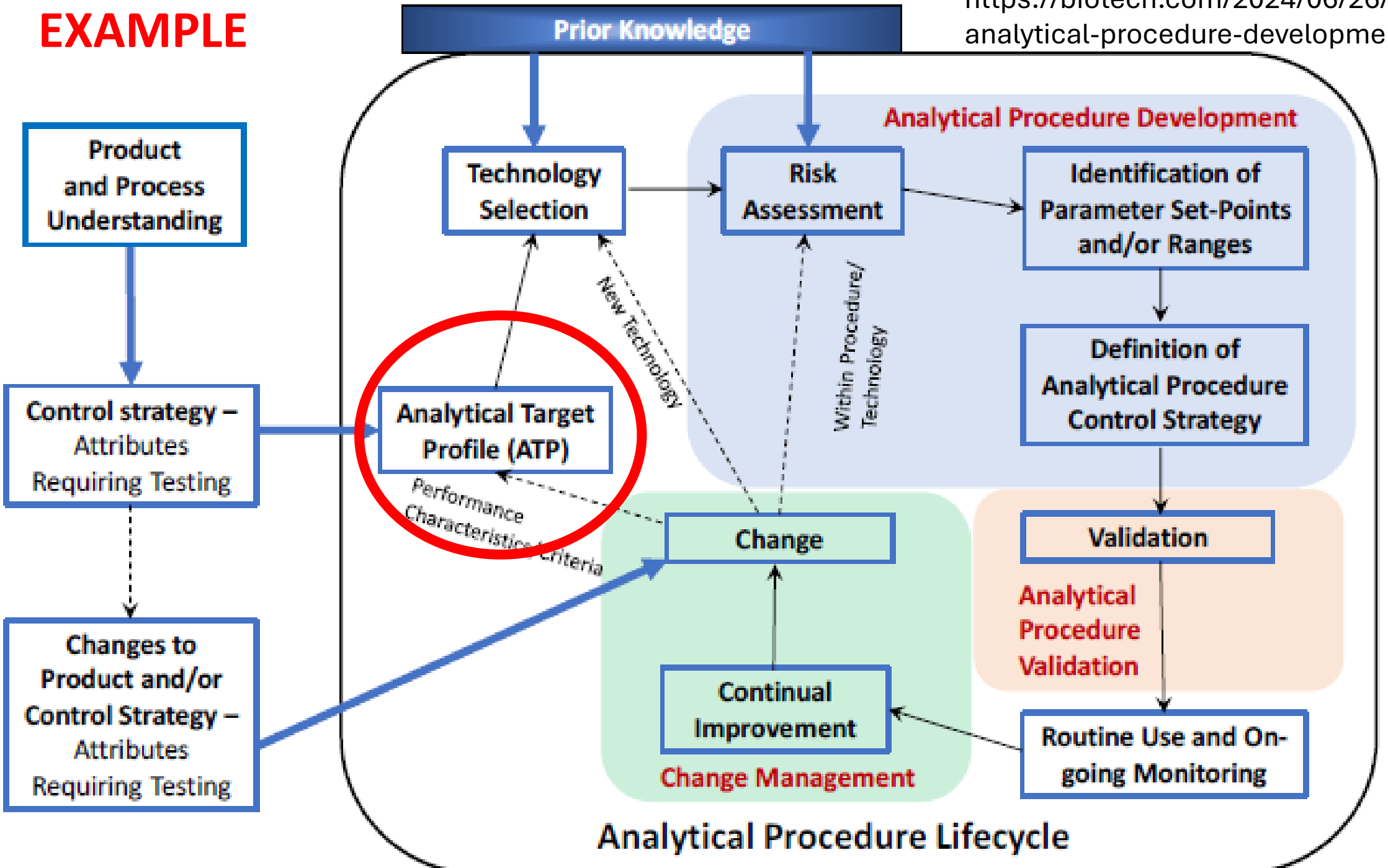
# Wrap Up

## Could your organization benefit from a Community of Practice?

*Let's explore together what a CoP could look like for your context*

*You are always welcome for a 'CoP Coffee'*

*contact: eric.vansprang@ti-coast.com*

# EXAMPLE

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