



IHE[®] | EXPERIENCE
EUROPE | DAYS

VIENNA 2025
24-25 JUNE 

**AIGI - AI Interest Group for
Imaging**

AI Workflow powered by IHE

Dr. Marc Kämmerer

Head of Innovation Management @ VISUS Health IT



AI Interest Group for Imaging (AIGI) Task Force



Coordinator: Marc Kämmerer

[Contact us](#)

<https://www.ihe-europe.net/aigi-task-force>

The main interest and goal of this task force is defining the means for a standardised and applicable data workflow for actual use cases on how to

- deploy and maintain AI applications
- connect AI applications with the end-user's systems
- integrate the AI application output in the end-user's systems
- collect and provide end-user's feedback

by seeking the collaboration with other workgroups, e.g., end-user workgroups, actively engaging in their work to reach our goals.

The group's special focus lies on the requirements specific to European healthcare systems.

The task force recruits its members from any interest group contributing to or using AI workflows – including users, vendors, experts and marketplace operators.

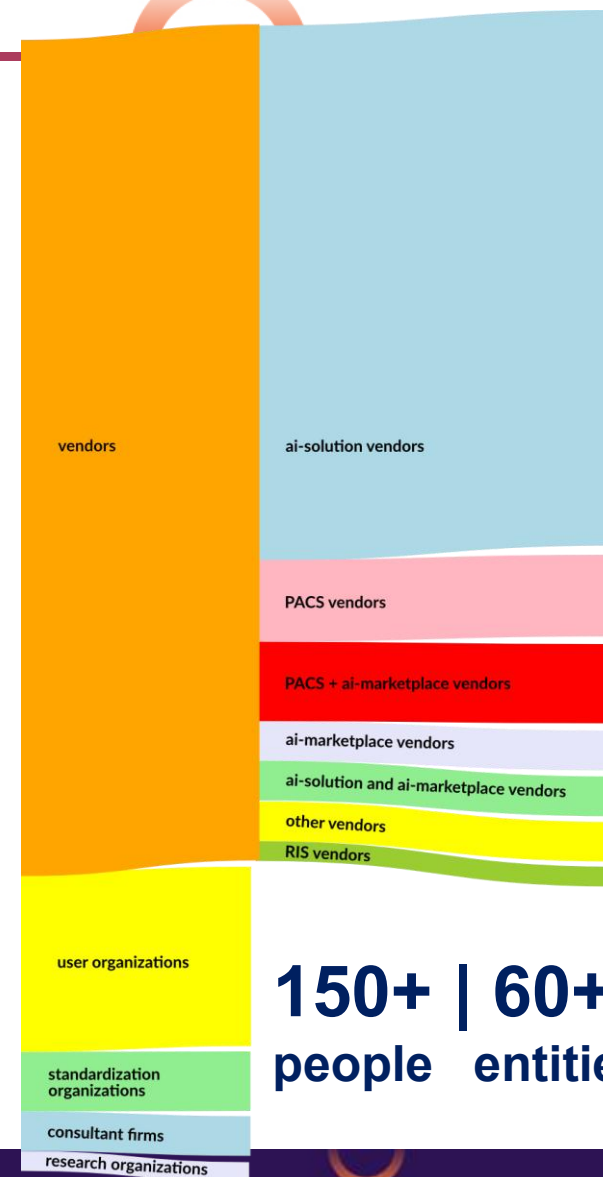
The intended output of this group are best practice white papers, correction proposals, and work item proposals for existing IHE profiles or other standards. Any output contributes to adding missing items in the existing standardized AI workflow. The practicability will be proven in IHE Connectathons.

IHE-Europe Taskforces

AI Interest Group for Imaging (AIGI) Task Force

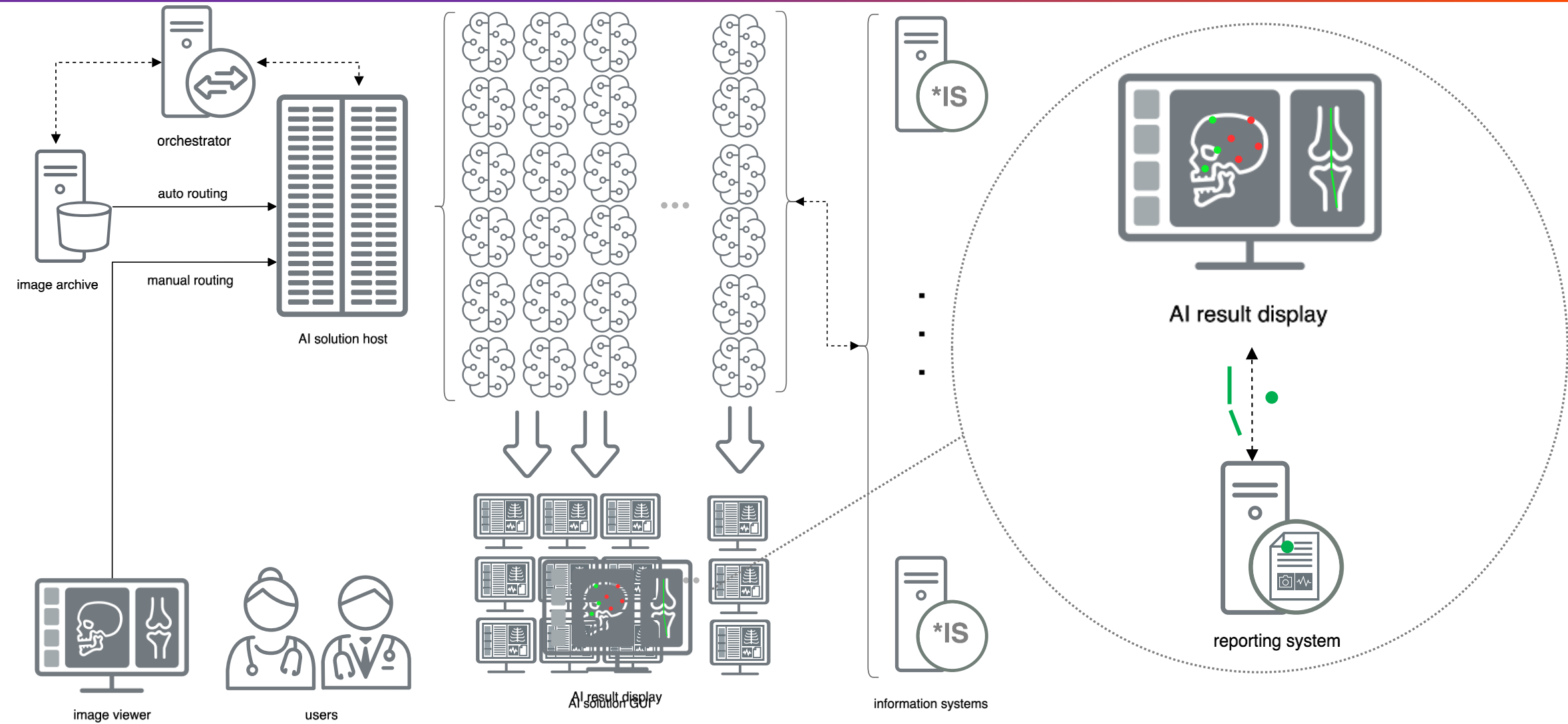
Multi-country Working Group on Imaging Information Sharing

IHE SHARAZONE



150+ | 60+
people entities

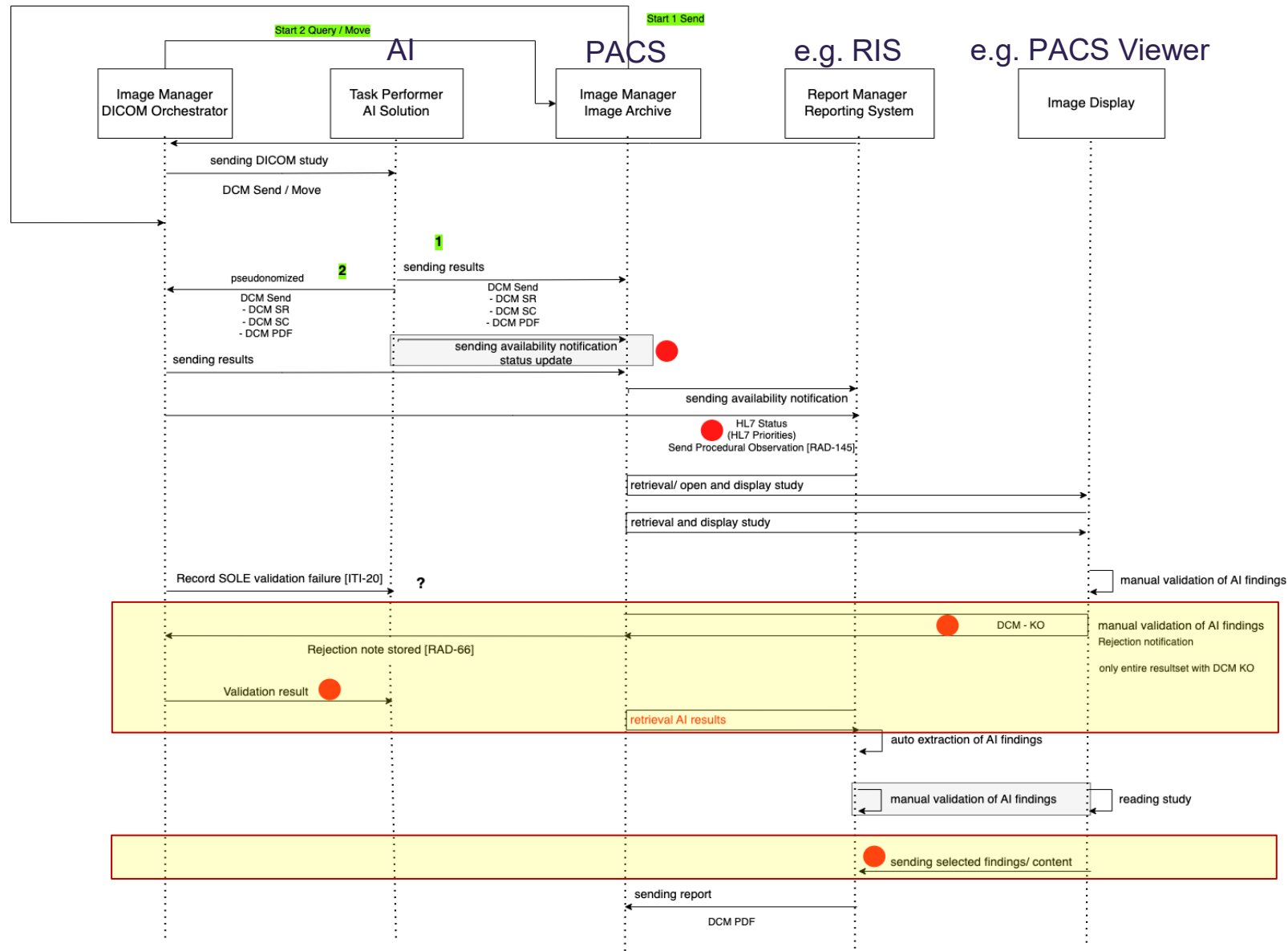
AI Workflow Expectations



- Test Case
 - Reporting of Thorax / Head Imaging Studies
- Purpose
 - Real world show case: Integration of AI into the reporting workflow
- Methodology
 - Plugathon AI Track



2024 Plugathon Trieste



15 Individuals
9 Organizations
8 Systems
4 Days

- Assessment of AI findings

Purpose

- Communication of assessed AI results for
 - clinical workflows
 - statistical / monitoring purposes



- New IHE integration profile needed

AI Result Assessment for Imaging (AIRA)
for Trial Implementation since June 9th

- Knowledge exchange among systems which kind of DICOM objects are required for analysis (study / series level)

Purpose

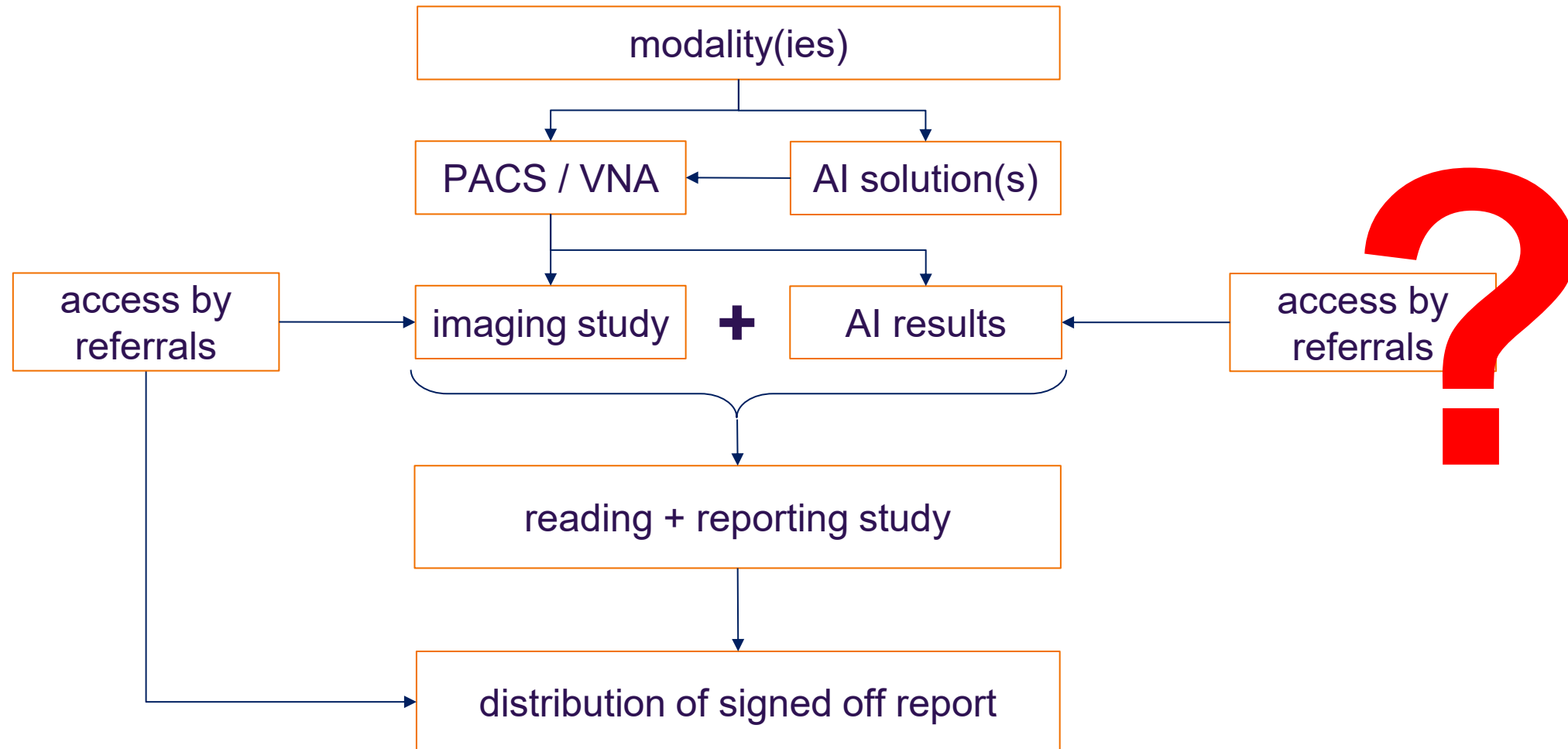
- Enabling orchestrators/ PACS routing/ sending DICOM data more specifically



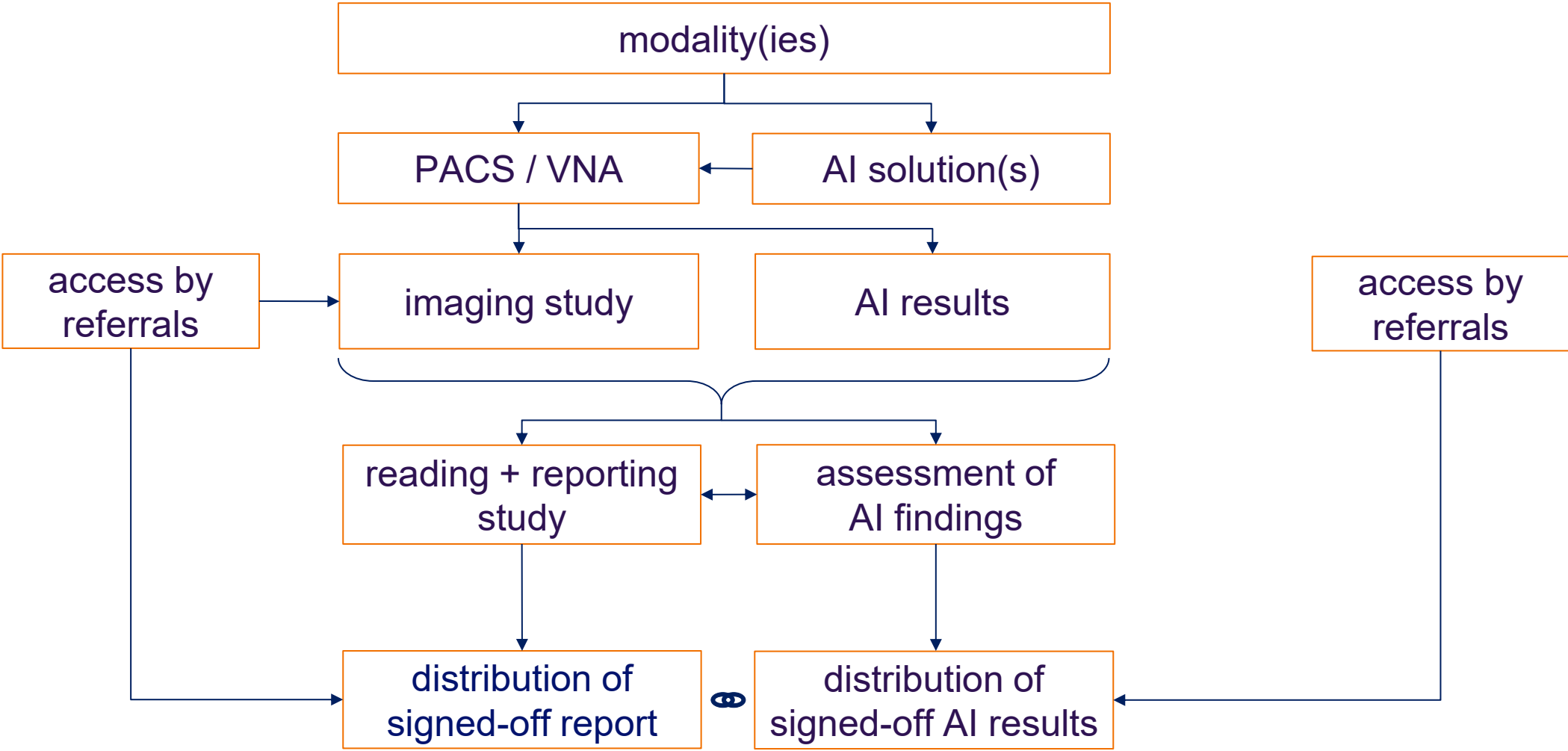
- Service (Requirements) Discovery

Topic Plugathon AI Track - 2025

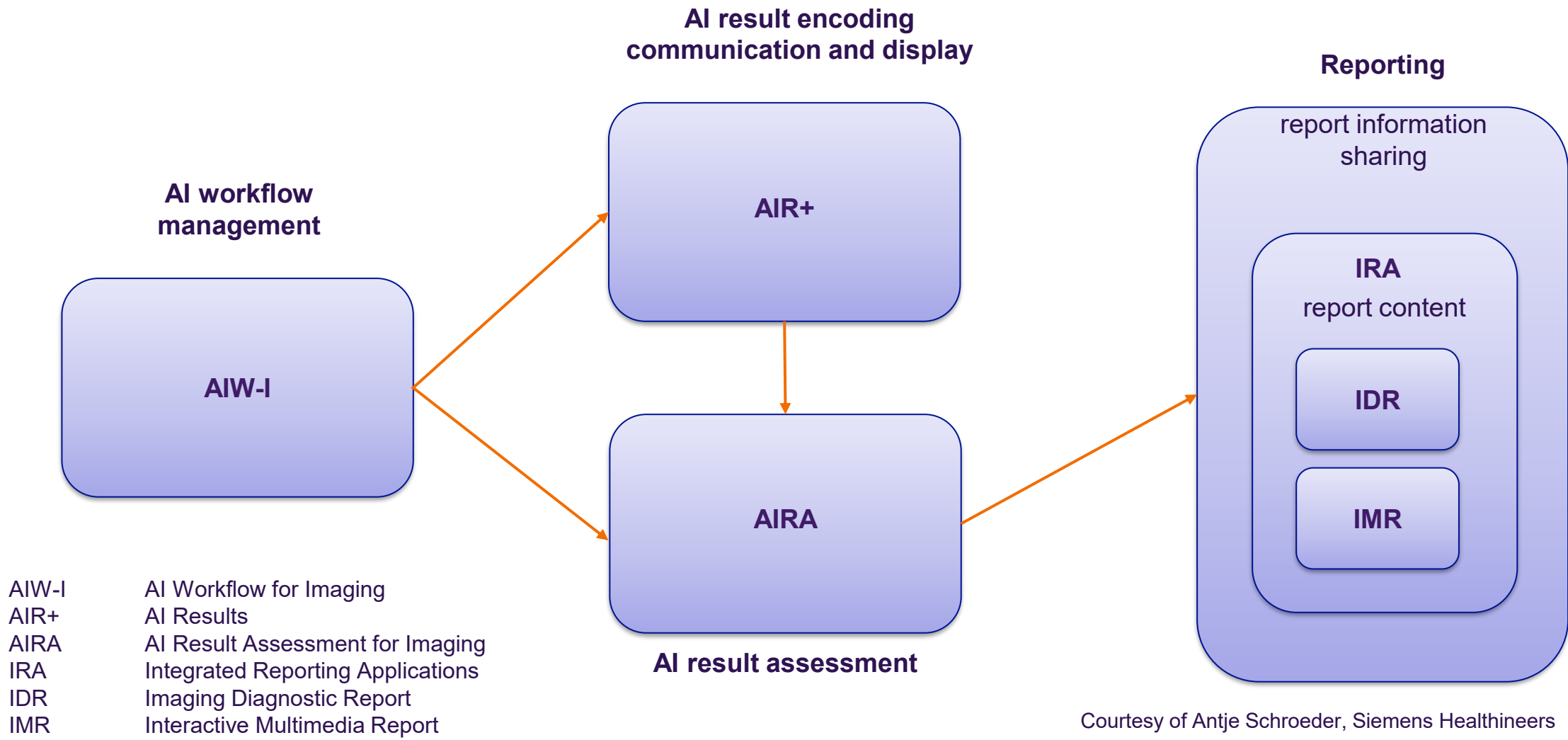
AI Enhanced Image Analysis w/o AIRA



AI Enhanced Image Analysis with AIRA

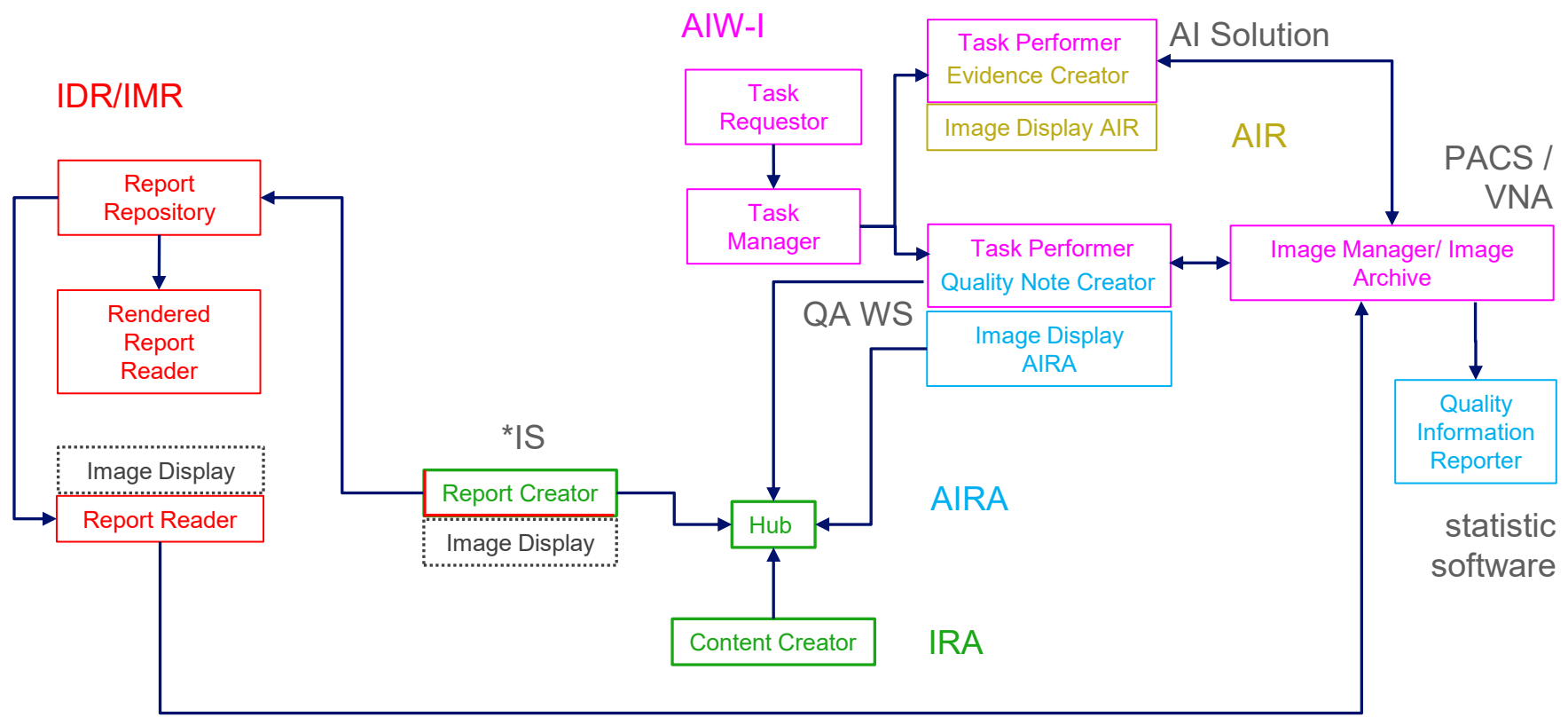


AI Reporting Workflow powered by IHE



Courtesy of Antje Schroeder, Siemens Healthineers

AI Reporting Workflow Eco System



Antje Schroeder, Siemens Healthineers / Marc Kämmerer, VISUS Health IT

Preliminary result summary

Working Group IT (AGIT) @ German Röntgen Society - AI4Rad study

79 participants (radiology) | homogeneous distribution (age, workplace, work experience)



not there



selection available

From RSNA / ECR / German Röntgen Congress

- Orchestration of the AI Zoo
 - Monitoring
 - Feed back
 - Re-training
 - Change management

From the work on EHDS

- Semantic interoperability @ scale
 - Radlex
 - LOINC / RSNA Playbook
 - SNOMED CT
 - ICD xx
 - KDL (German list of clinical documents)
 - ...

Interoperability is a marathon without a finishing line and needs passion.
We are on the right track.

Care to join us?

