Session3: PRAGMA AI Platform

1st day Participants:
Yoshio Tanaka (AIST)
Hidemoto Nakada (AIST)
Weicheng Huang (NCHC)
Hsiu-Mei Chou (NCHC)
Tem (Kundjanasith Tonglek) (NAIST)

Past, Current, and Future PRAGMA Infrastructure
PRAGMA Grid: Share computing resources and data by Grid middleware.
PRAGMA Cloud: Share computing resources and data by virtualization technologies.
PRAGMA AI Platform: Share knowledge (AI module) by container technologies. Computing
resources and Data resources are also shared (We don't have a centralized data server.
Distributed infrastructure for data sharing.

Capabilities and current status of the AI Platform
Share trained model as well as non-trained model.
Access the data at each side.
AI apps using remote sensing data (automatic change detection, detecting solar panels, etc.)
are used as driving applications.
Demonstrated the current implementation by AIST, NCHC, and NSPO.

R&D issues: Some are related to the other topics.
Catalogue services for each category (GIS, Bio, etc.).
Web UI.
Data management.
Monitoring.
Security.

Invite more participation from PRAGMA members
(ultimate) Goal: Make it routine use.
Need easy-to-use interface and eco system.

2nd day Participants:
Yoshio Tanaka (AIST)
Weicheng Huang (NCHC)
Tem (Kundjanasith Tonglek) (NAIST)
Annika Smith (U. Florida)
Jose Fortes (U. Florida)

Had a discussion about using iDigBio app (identification of plants by AI) as one of driving
application of AI Platform.
Start by test use of ABCI.

Action Items
1. Build development plan at the next AIST-NCHC F2F Meeting in May.
2. Annika and Jose will follow up when they back to Florida.
3. Introduce iDigBio apps to the AI Platform