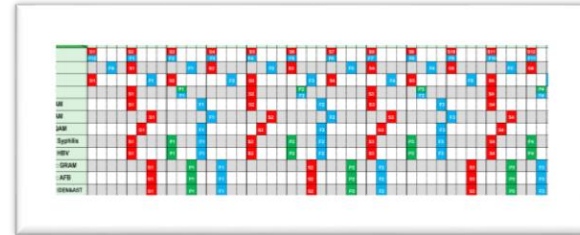
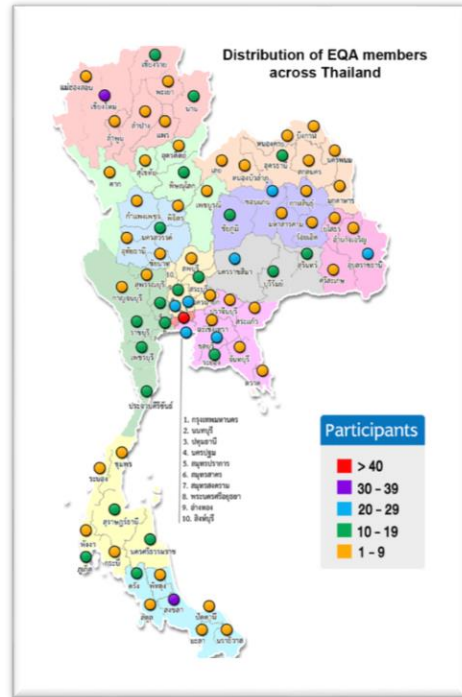
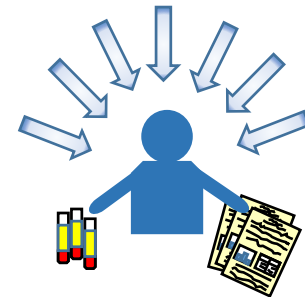


Motivation



200+ Participants/scheme
4 Rounds/year



1 Routinely in charge scientist

Challenges

- Workload
- Turn around time
- **Accuracy**
- Flexibility
- Scalability
- Sustainability

Result

- The introduction of automated data analysis pipeline significantly shortens the turnaround time from weeks to a few days.
- The user friendly interface allows the PTP to operate the tool without the requirement of knowledge in R language.
- Any errors can be easily inspected and corrected from all outputs obtained from the tool.
- The presentation of results can be tailored to meet technical requirement and expectation from PTP and participants.

R Automated Analytical Tool

Input (I)

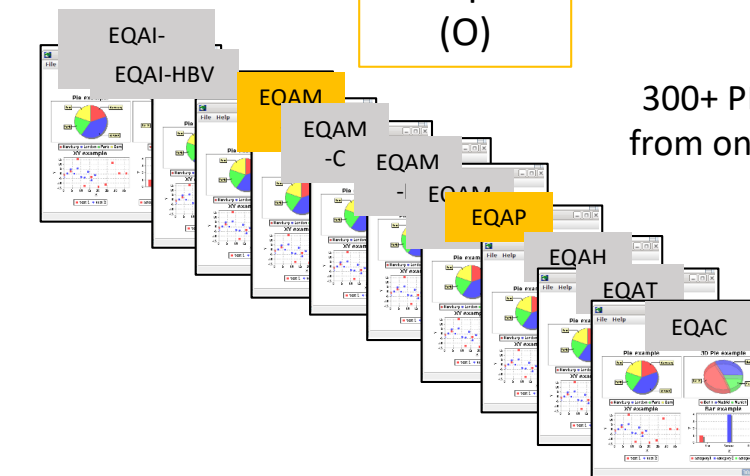
Result submission through EQAS website



Process(P)

- 1) Data cleansing/pre-processing (2-3 h)
- 2) Run R script (5 min)

Output (O)



300+ PDF reports
from only one click

Discussion and Conclusion

- The automated tool helps get rid off the time-consuming steps and reduce the error.
- Staff have more time to update their knowledge in related area.
- For the more flexibility and sustainability, the literacy in R language is encourage.

