AI@Work Study Group Overview
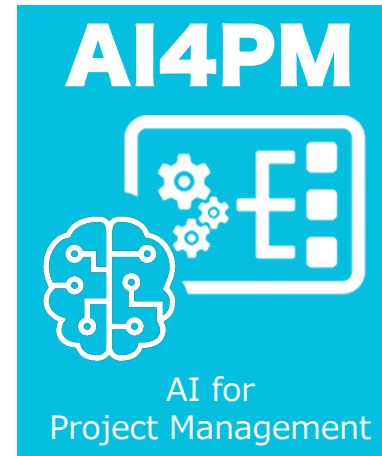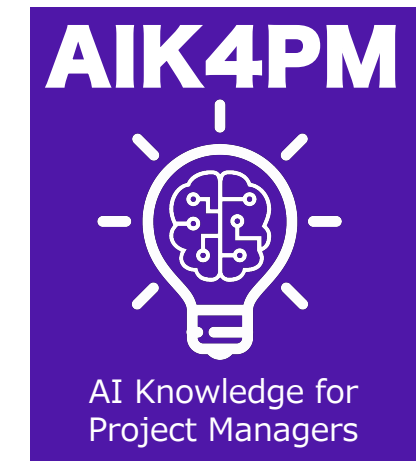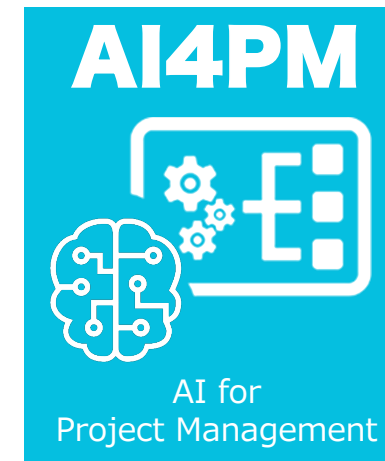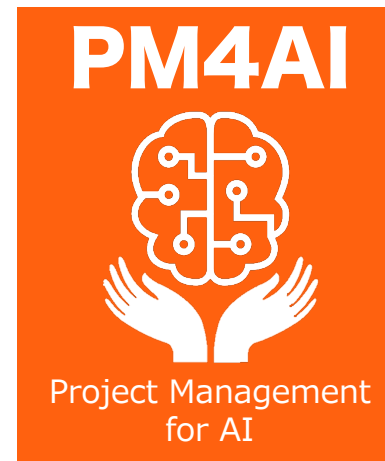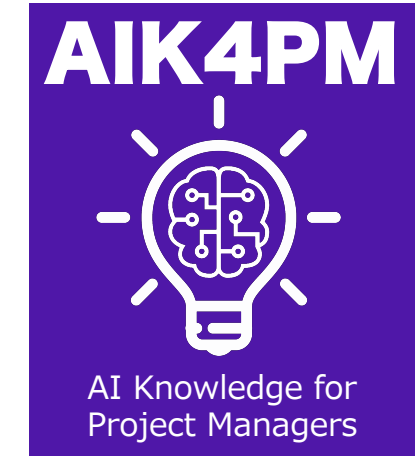
2020 Retrospective and 2021 Plan

2021.5.5

AI@Work Study Group

PMI Japan
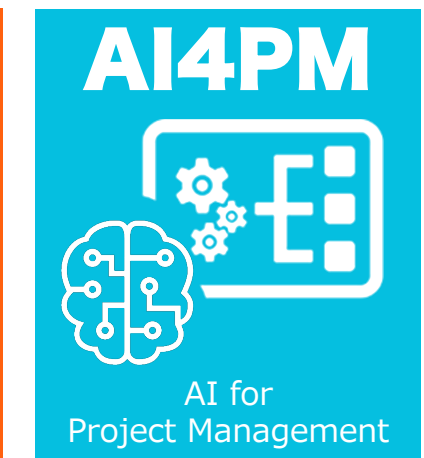
AI@Work Study Group Overview

- 2020/1/31 Kick off
- 157 members (as of 2021/5/5)
- 3 Working Groups
  PM4AI, AI4PM, AIK4PM
- Half year 1 Cycle + Conference
- Slack(Daily)＋Virtual Meeting(Monthly)

PM4AI
Project Management for AI

AI4PM
AI for Project Management

AIK4PM
AI Knowledge for Project Managers
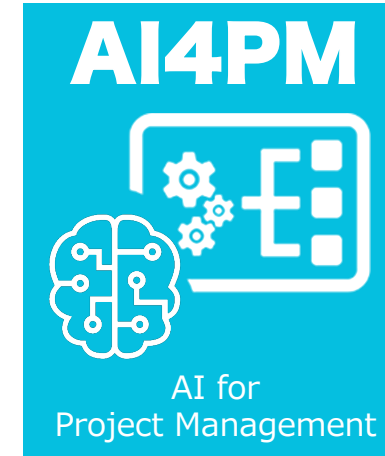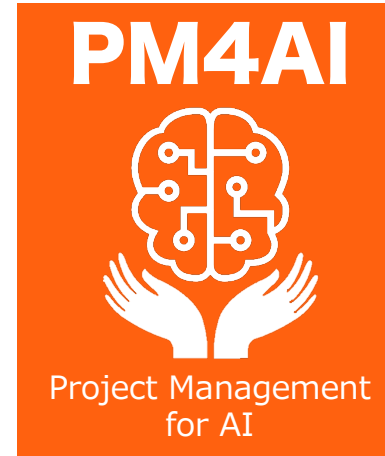
AI@Work Study Group Organization

WG1
PM4AI
L: Nobutaka Itabashi
SL: Keiichiro Koyama
WG1 PMO

WG2
AI4PM
L: Katsuroh Hayashi
SL: Teppei Kuwano
WG2 PMO

WG3
AIK4PM
L: Yoshikazu Satoh
SL: Masato Hosomizu
WG3 PMO

AI@Work
Yahiro Takegami
Tsunefumi Watanabe

AI@Work PMO (TBD)

PMIJ Office
Kunihiko Mishima

AI@Work Advisory Board
PMI WW: Hirotoshi Kamba
PMI Japan:
Morita, Saito, Matsumoto

Being AI Ready!

AI@Work – 2020 Outcomes (as of 2021/1/18)

Utilizing virtual tools realize a flexible environment. Focused on study and activities to grow the value.

Big is good

- Explore a wide variety of fields
- Things that can be done because a large number of people

21 themes
29 Channels
125 members

Anywhere

- Effective use of IT Tools (Slack+Virtual Meeting, Slido …)
- Free from place constraints Effective use of time

Active members **60-80**

Virtual/Open Collaboration

- Active in Slack＋Virtual Meetings Outcomes are always shared by Slack

Messages sent **4,008**

Diversity

- Diverse work experience, generation, position, role
- New awareness brought about by diverse perspectives

User **1/3** IT **1/2**

New Generation

- Collaboration with digital natives Participation of non-member, not familiar with PPPM

Non-PMIJ member **32%**

Asset & Skill

PMIJ Forum **2** sessions   First Conference **102** attendees

File Uploaded **965**   JDLA G-Certified **4** persons

2020 Cycle 1: each WG study themes

Promoted by daily communication (Slack) and monthly meeting (Virtual MTG+Slido etc.)

PM4AI
Project Management for AI
7
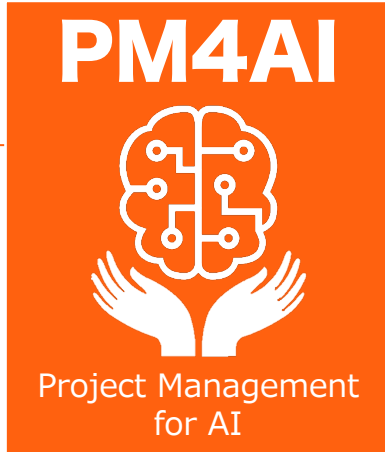
- Key success factors moving AI from PoC stage to production
- Annotation
- Key points in a development contract with vendors
- Machine learning and operations（MLOps）
- Providing benefit to a customer
- Unique risk in AI projects
- Difference from the traditional project
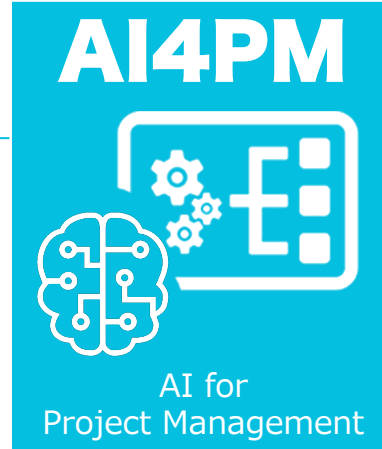
AI4PM
AI for Project Management
2

- Prediction of deterioration and failure
- Status visualization

AIK4PM
AI Knowledge for Project Managers
2
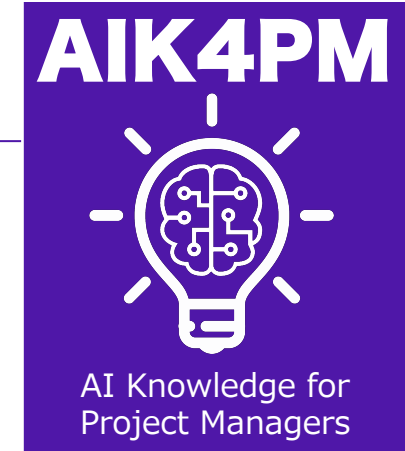
- Obtain AI technical knowledge by taking turns reading
- Obtain AI conceptual knowledge required for PM by sharing AI project case study

2020 Cycle 2: each WG study themes

Based on the outcomes in Cycle 1, deepened further or set new themes.

PM4AI
Project Management for AI — 7

- Key success factor of project: How to approach the transition from PoC to practical use
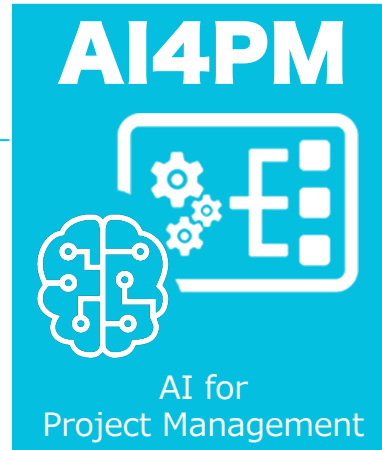- Maintenance
- Requirement Definition & RFP: Ordering side to the vendors
- Annotation
- Unique risk in AI projects
- Difference from the traditional project
- AI Project Management

AI4PM
AI for Project Management — 1

Combining knowledge and findings in Cycle1, research and organize for realization

- Feasible range with current AI technology
- Development of data model theory for integrated management of information in AI

AIK4PM
AI Knowledge for Project Managers — 2
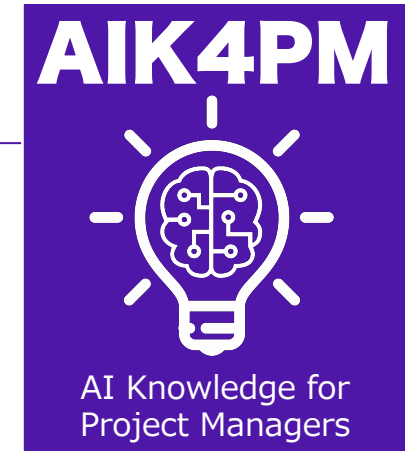
- Obtain AI technical knowledge by taking turns reading
- JDLA G-Certification Study Group

*JDLA: Japan Deep Learning Association
*G-Certification: Certification of Deep learning for General

APPENDIX: AI@WORK RETROSPECTIVES

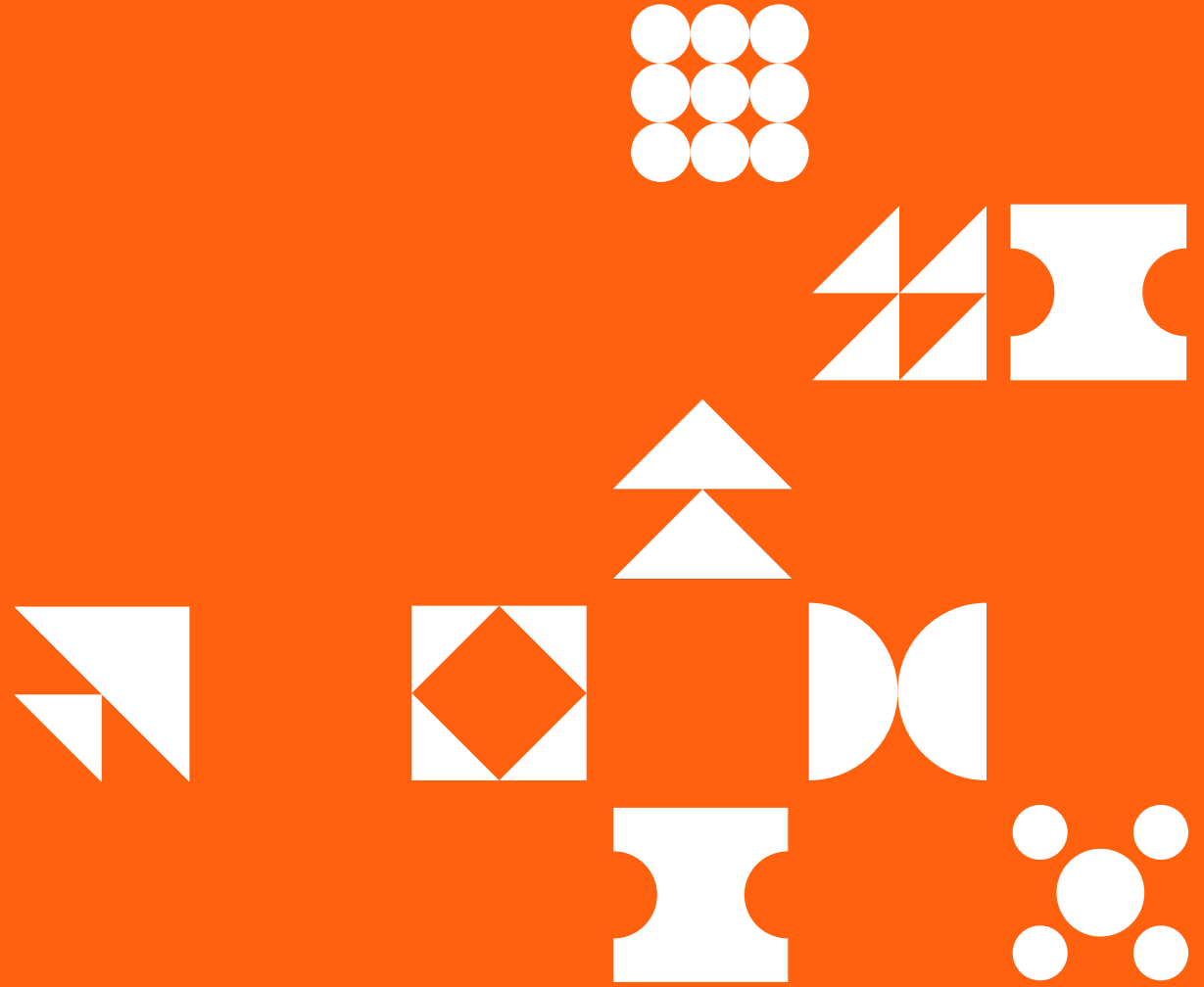# What is AI@Work? (Prerequisite to participation, PMI Japan Chapter Homepage, Dec. 3rd 2019)

AI@Work Study Group explores what it should be and how to proceed by evaluate the AI application and utilization from the project management perspective.

Purpose	AI newly affects society and economy. We will explore and share what it should be and how to proceed from the project management.
Mission	Accelerate AI social implementations in Japan by focusing on project management perspective, under the circumstance of rapid progress of AI stoical implications in global.
Vision	Promote AI application and develop the utilization and useful knowledge, through the PM community activities working with the various people on the AI social implementations.
Strategy & Main Action	Create an Opportunity (Create an opportunity to research, understand and share knowledge) 1. Research use case (Study use cases and explore ways of deployment) 2. Understand AI Technologies (Explore understanding of AI technologies) 3. Share Knowledge (Share knowledge through information transmission)
Concept	**3S:** **S**mall Start (Start off small and grow into a large one) **S**haring (Gather, share and outreach knowledge) **S**pecialty (Strengthen own expertise)

Registration within 14 days: 116 person

Challenge to new management style

Increase the group value by pursuing a better / to-be ways with creative idea that brings beyond existing concept

<Concepts>

Huge

- AI could be utilized in more domains than the other emerging technologies
- There is something only large number of people could archive

Virtual

- No restriction in location, and easy scheduling by effective time use (same condition in metropolitans and province)
- Utilize IT tools (virtual meeting, Slack, etc.)

Physical

- Create new ideas in face-to-face meeting
- Make networking in each region, working group, or theme group

<Considerations>

Diversity

- Create opportunities of sharing opinions with the person who has different work experience, generations, positions or roles
- Obtain new awareness from various perspectives

New Generation

- Collaborate with digital native generation through working group activities
- Participate from outside of PPPM (Project/Program/Portfolio Manager) or PMI members

Open Collaboration

- Share information of working activities, reference, etc. by Slack or other tools
- Utilize external study results actively with considering future collaboration if necessary

Principle of AI@Work Study Group

Achieve and transmit outcome knowledge
- Focus on utilization of outcome knowledge to be AI ready
- Avoid mistaking the means and objectives

Diversity rather than synchronization
- Focus on open and sound discussions

Agility & PDSA（Plan-Do-Study-Act）
- Try, change, take a retrospective to be better

Self-organized/Open collaboration
- Self-study: ex. Basic AI knowledge
- Refer external study result:
  ex. AI SW Engineering, AI Quality etc.

PM Project Management Institute.

POWERING THE PROJECT ECONOMY™

Drive Success in a World of Change

The Project Economy is one in which people have the skills and capabilities they need to turn ideas into reality.

Turn ideas into reality
Turn activities into reality
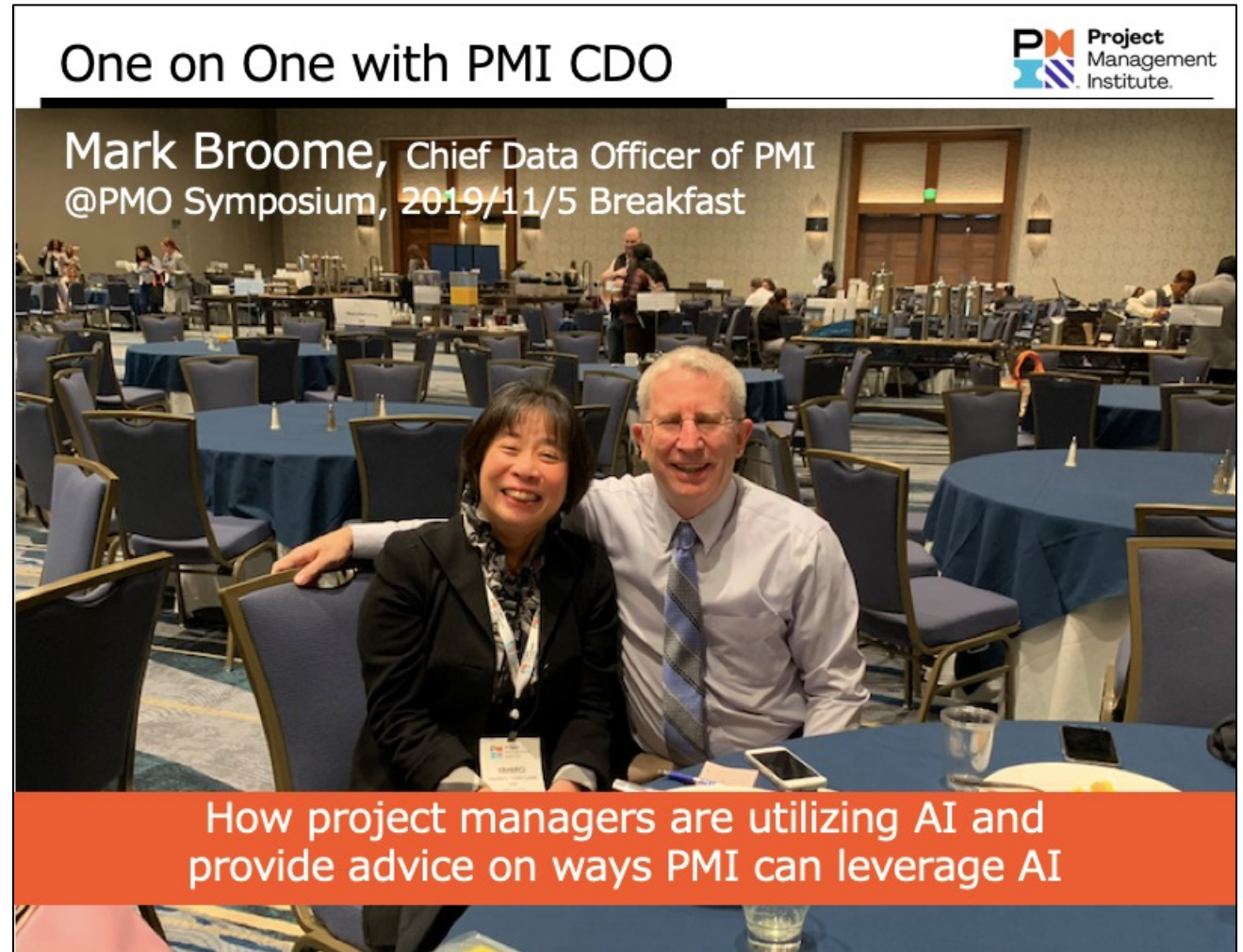**Turn dreams into reality**

Pursue AI ready competency and outreach

From Japan to World-Wide

Collaborate with PMI

<Key Points>
- Novelty and innovativeness
- Establish evangelists
- Relation with PMI CDO（Chief Data Officer）

One on One with PMI CDO

Mark Broome, Chief Data Officer of PMI
@PMO Symposium, 2019/11/5 Breakfast

How project managers are utilizing AI and provide advice on ways PMI can leverage AI

First Step to
AI Ready…

AI@Work
Study
Group