iFIRExMAN
(iFIRE eXtension for Managed Application Network)

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Background

- TF-IAM has had a significant contribution to the development and deployment of Federated Identity technologies throughout the Asi@Connect membership.

- Since its initial activity being led by GÉANT via the **BACKFIRE** project, it has transitioned to a community activity led by the AAF via **iFIRE**.

- Both programmes successfully brought several Asi@Connect country members to be part of the eduGAIN.

- To ensure there is a continuous support for the efforts and activities, hence a project called **iFIRE eXtension for Managed Application Network (iFIRExMAN)** was proposed and approved by the Asi@Connect.

- The duration of the project is from 7 March 2022 until 6 March 2023

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Proposed Activities/Programmes

- The programme will focus on 3 broad **activities**:
  1. TF-IAM Training Programme & Best-Practices Development (at APAN54 (or eResearch Australasia 2022) and APAN55).
  2. Developing an Identity Federation software ecosystem based on Cloud Native technology that supports Cloud (NREN) + On-Premises (Campus) implementations by setting up a community-based incubator infrastructure for new identity federation pilot operations.
  3. IAMready - an Identity & Access Management & Roaming Competition supporting hack-a-thon & deploy-a-thon events.

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Eligibility to Become Participants

- Participant MUST be from Asi@connect country/economy members.

- Able to provide a commitment/contribution to the success of the project.

- For activity 1 & 2, the participant should be a REN operator, unless there's no REN operator in that country/economy or the identity federation operator is not a REN operator.

- For activity 3, Female (engineer) participation is highly encouraged.

- The participation call for each activity will be made separately.

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Benefit of the Project to the Participants

1. Accelerate the adoption/implementation of Identity Federation and eduroam
2. Networking
3. Capacity building
4. Access to the Identity Federation Experts
5. Funding
6. Equipment/Computing resources support

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Details of Activities

- #1 – TF-IAM Training Programme & Best-Practices Development:
  - TF-IAM continues to operate at APAN52 and APAN53 without the financial support of Asi@Connect.
  - With an expectation that for APAN54 and APAN55 would return to limited in-person face-to-face, the training will be conducted in conjunction with events.
  - If APAN54 is not feasible to be attended physically by the project participants, the eResearch Australasia 2022 could be an alternative event location.
  - A travel grant/support will be provided to attend the event in-person/face-to-face
  - AAF is the lead for this activity
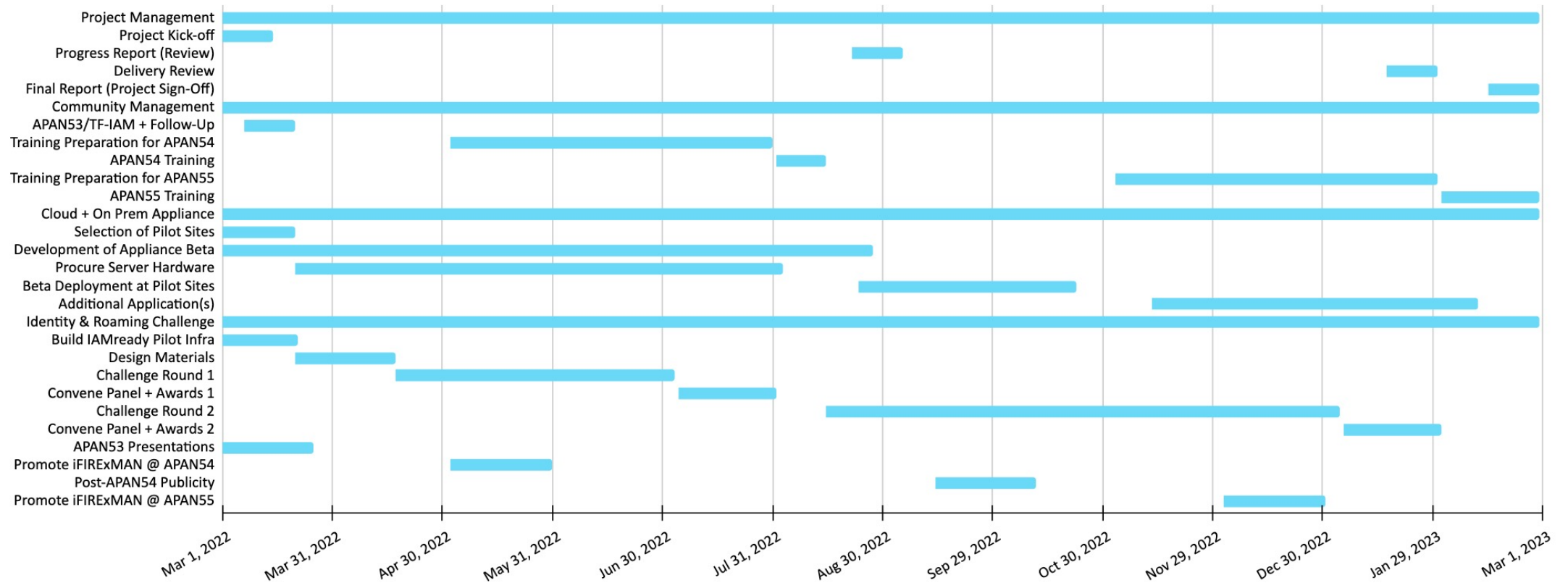
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Details of Activities (cont.)

- #2 - Developing an Identity Federation software ecosystem based on Cloud Native technology:
  - Identity Appliance/Applications will take the work of SIFULAN / Malaysia that are based on Cloud Native-based solution (i.e. Kubernetes) for the deployment of identity management tools
  - This will be a combined **eduroam** and **Federated Identity as a Service** offering that can be deployed at the NREN and Institutional level.
  - A server to run the appliance/applications will be provided
  - SIFULAN is the lead for this activity

Details of Activities (cont.)

- #3 - IAMready - an Identity & Access Management & Roaming Competition supporting hack-a-thon & deploy-a-thon events
  - To create an Identity & Access Management and Roaming Grand Challenge Competition that provide incentives for the wider Asi@Connect community to participate in federating local and open-source applications
  - A computing resources (i.e. Virtual Machines) will be provided to the participants if required.
  - Some awards will be given to the winners.
  - A travel grant/support will be provided to attend the iFIRExMAN event in-person/face-to-face for selected participants to present their works.
  - Brook is the lead for this activity

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Timeline

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Thank You