

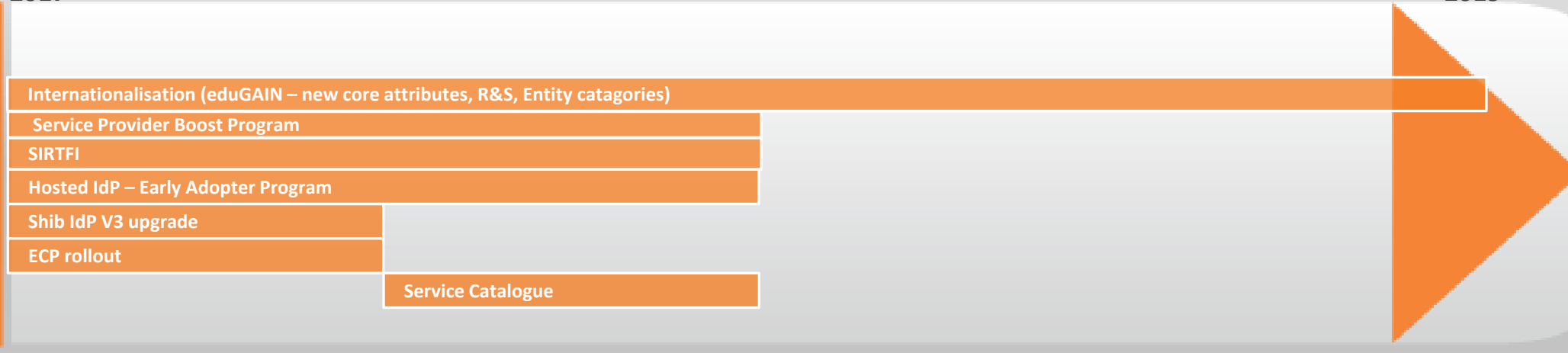
AAF Technology Roadmap 2017-2019

2017

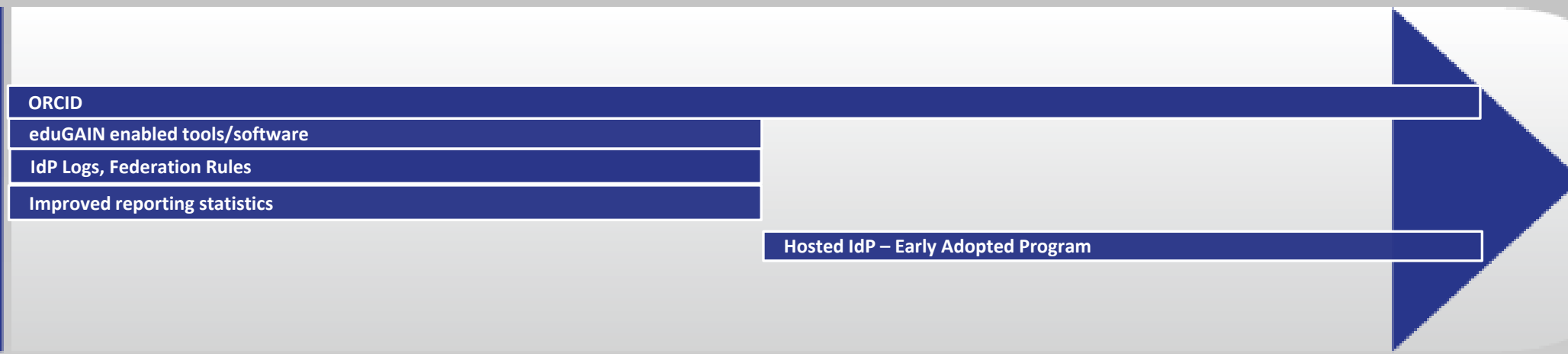
2018

2019

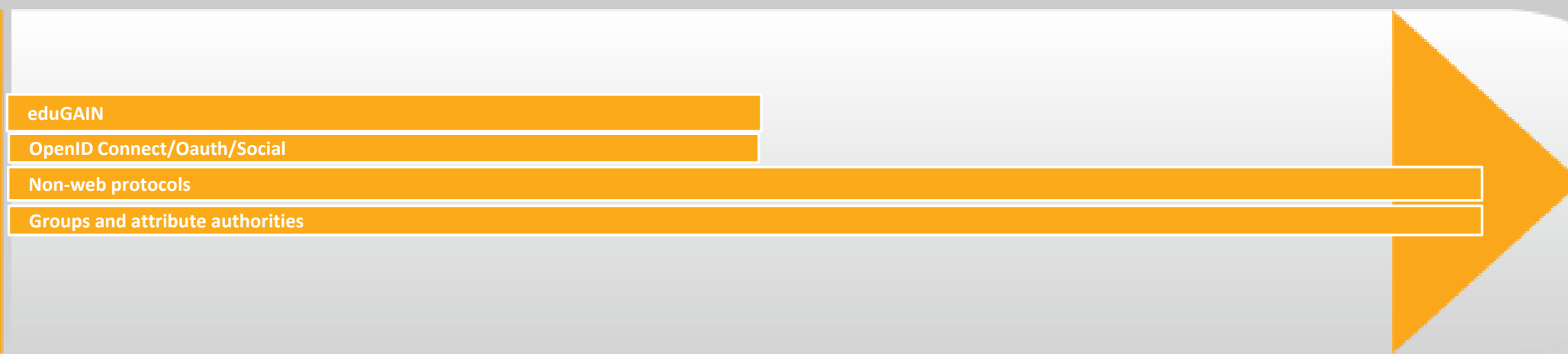
Subscriber requirements



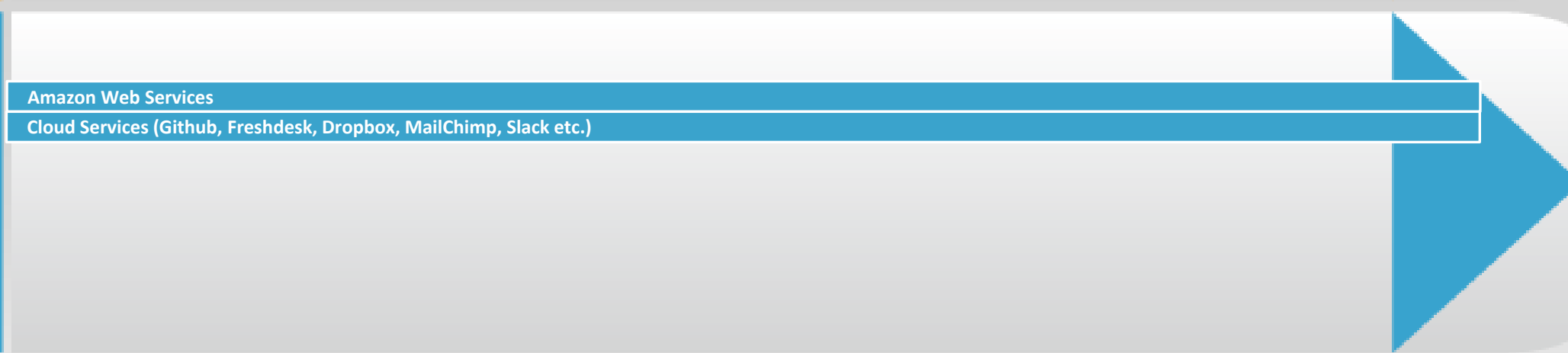
AAF operational (enhancements & extensions)



Innovation



Infrastructure



AAF Technology Roadmap 2017-2019

Subscriber requirements			
Activity	Description	Status	Funded
Internationalisation (eduGAIN – new core attributes, R&S Entity Categories)	Connecting AAF to the global Federation network to enable AAF subscribers to collaborate internationally with other eduGAIN federations.	Active – multi-year activity	AAF operations
Service Provider - Boost Program 2017-2018	The Boost program, which includes data collection, analysis, profiling and reporting on organisations is an ongoing activity. The Boost program identifies a target group of AAF subscribers to take part in a review and analysis activity. This activity will then report on the findings to assist subscribers with maturing their SP.	Proposed	AAF operations
Hosted IdP – Early Adopter Program	The AAF have developed the Hosted IdP Software-as-a-Services (SaaS) that is being piloted as part of the Early Adopted Program. This program is collaborating with a small number of customers on an initial release of the new Hosted IdP service. This small-scale release will address any show-stoppers, identify and prioritise improvements and develop the business model for 2018 onwards.	Active	Early Adopter Program
IdP Shibboleth V3 upgrade	The AAF is working with IdP's to upgrade to Shibboleth V3. This upgrade is because of the end-of-life of V2. The AAF has developed an IdP Installer to assist IdP's with this upgrade and are working with organisations to complete the upgrade to V3.	Active	AAF operations
ECP rollout	ECP allows Service Providers (SP) to introduce a new class of service that won't be limited by a browser interface to provide single sign-on functionality. The ECP profile is designed for clients that use desktop applications, server-side code running in a web application and anything else that doesn't run in a browser.	Active	AAF operations
Service catalogue	To enhance the current AAF service catalogue to include a comprehensive list of all Service Providers and additional information about each service listing.	Proposed	AAF operations

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AAF operational (enhancements & extensions)			
Activity	Description	Status	Funded
ORCID	<p>As the Australian ORCID Consortium Lead, the AAF continue to provide technical and engagement support for all ORCID members. This support includes:</p> <ul style="list-style-type: none"> • administrative support • on-boarding members and running webinars/training • central technical support contact for ORCID • maintaining documentation for the Consortium and technical documentation • eduPersonOrcid • engagement activities and resources. 	Active	ORCID Consortium
eduGAIN enabled tools/software	<ul style="list-style-type: none"> • Extend the Federation Registry to enable eduGAIN metadata flows • Add the AAF Virtual Home to eduGAIN as an IdP • Add the AAF Attribute Validator to eduGAIN <p>Possible extensions to AAF Status to monitor the eduGAIN metadata source.</p>	Active	AAF operations
IdP Logs, Fedration rules	<p>Update federation rules. Potential changes include:</p> <ul style="list-style-type: none"> • collection of anonymised IdP logs to assist with troubleshooting and usage data • making requirements about updating contact information in the Federation Registry more explicit • revisions to the core attribute list • other changes that may be required to roll out eduGAIN 	Active	AAF operations
Improved reporting statistics	Refinement and enhancements to the central reporting dashboard to provide information on subscriber utilisation of the federation (i.e. what organisations are authenticating to AAF connected research infrastructure and vice versa).	Planning	AAF Operations
Hosted IdP	Release a Hosted IdP option to members. AAF will take care of infrastructure management, upgrades and patching on behalf of members. This service will:	Planning	Not funded

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AAF operational (enhancements & extensions)

Activity	Description	Status	Funded
	<ul style="list-style-type: none"> remove the burden of developing and maintaining expertise in Shibboleth and associated infrastructure from subscribers release subscribers' scarce identity management resources for higher value activities simplify and accelerate the process of connecting new organisations to the Federation, particularly for small organisations with few IT specialists. 		

Innovation

Activity	Description	Status	Funded
eduGAIN	<p>This project will develop policy, information resources and business processes to position AAF and subscribers for collaboration with international research organisations. Project objectives include:</p> <ul style="list-style-type: none"> Understand and develop policy/guidelines Develop business processes related to eduGAIN Conduct a small-scale pilot to verify the technology and business processes in preparation for national roll out. The national roll-out will be conducted in a future project that is still to be funded.) 	Active	RDS funded project
OpenID Connect /Oauth/Social	<p>OpenID Connect 1.0 is a simple identity layer on top of the OAuth 2.0 protocol. It allows clients to verify the identity of the End-User based on the authentication performed by an authorisation server, as well as to obtain basic profile information about the End-User in an interoperable and REST-like manner.</p> <p>OpenID Connect allows clients of all types, including web-based, mobile, and JavaScript clients, to request and receive information about authenticated sessions and end-users. The specification suite is extensible, allowing participants to use optional features such as encryption of identity data, discovery of OpenID Providers, and session management, when it makes sense for them.</p>	Active	NeCTAR funded project

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Infrastructure			
Activity	Description	Status	Funded
Amazon Web Service	<ul style="list-style-type: none">• AWS hosted service	Active	AAF Operations
Cloud Services	<ul style="list-style-type: none">• Github• Zendesk – migrating to Freshdesk• Dropbox• MailChimp• Slack• Podio	Active	AAF Operations