



Elements of a Practical Roadmap for Implementation: On-Line Platform | Technology Facilitation Mechanism

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Workshop on Science, Technology and Innovation for SDGs

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Songdo Convensia, Incheon, Republic of Korea



Paragraph 70 of the 2030 Agenda for Sustainable Development announced the launch of a **"Technology Facilitation Mechanism" (TFM)**

The TFM has three components:

- 1** A United Nations Interagency Task Team on Science, Technology and Innovation for the SDGs (IATT), including the 10-Member Group of representatives from civil society, the private sector and the scientific community
- 2** A collaborative Multi-stakeholder Forum on Science, Technology and Innovation (STI) for the SDGs (STI Forum)
- 3** **An online platform as a gateway for information on existing STI initiatives, mechanisms and programs**



Enterprising
Innovator



Technology
Transfer info &
Services:
STI solutions
Legal
Credit / Grants
Patents
Certification



Steps to
Certification

Apply Now



HIRE ME

REGISTER



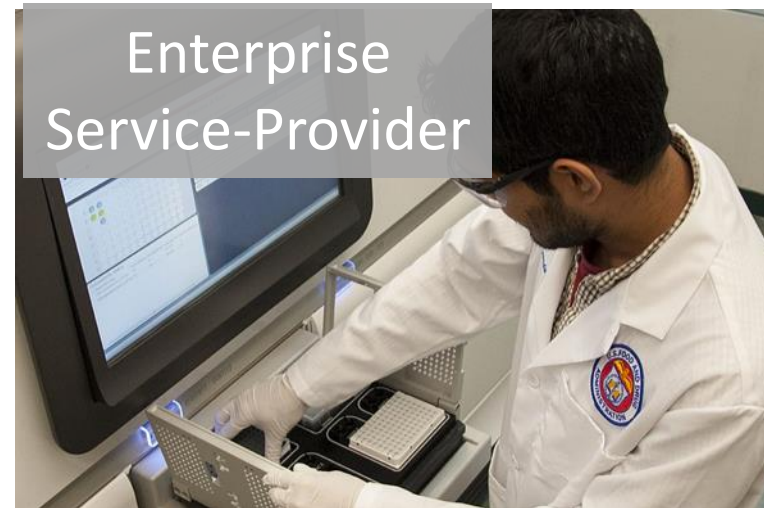
Researcher

Follow Me

CONTACT ME

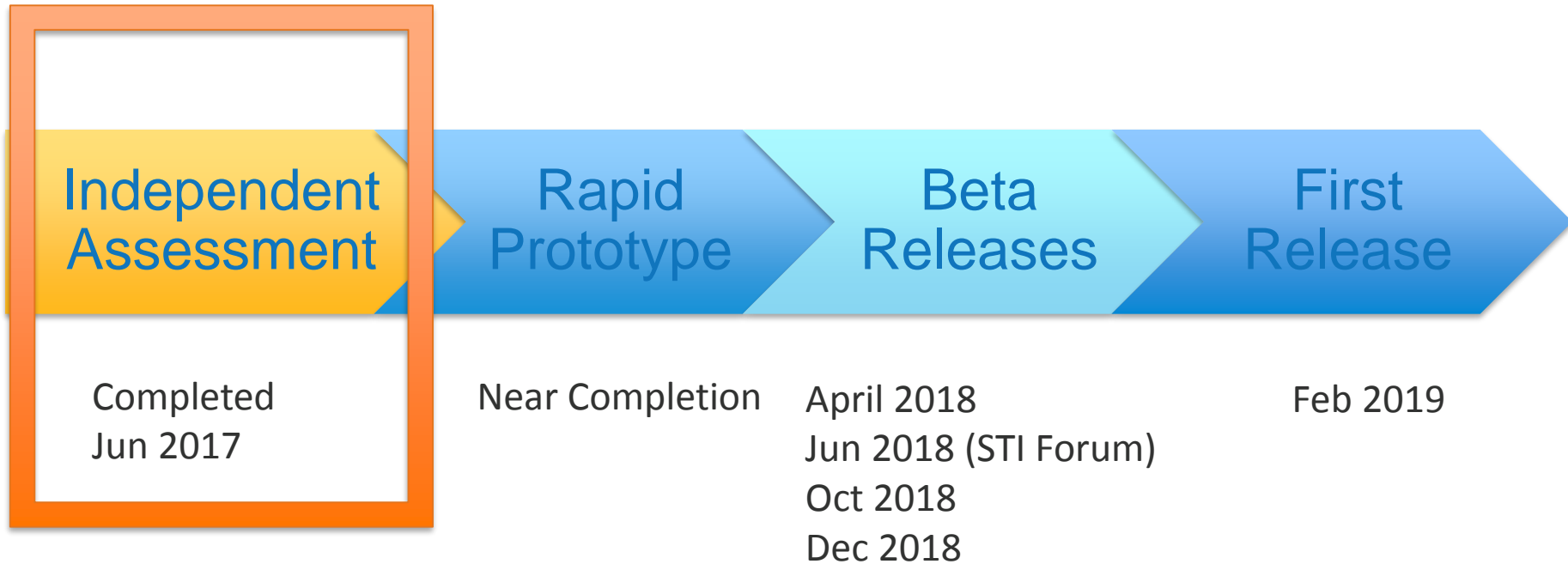


Policymakers



Enterprise
Service-Provider

Elements of a Practical Roadmap for Implementation of the TFM On-line Platform (For discussion)



Independent Assessment:

- Options for architecture, management & governance structure
 - Institutes of Science and Development, Chinese Academy of Sciences (CASISD)
 - Overseas Development Institute (ODI)
- Benefits and financial costs of various options for the online platform
 - DNV GL, the Netherlands

The TFM On-line Platform will be a global portal:

- Structure as a network of STI platforms
- Support actual technology transfers via matchmaking
- “Translate” user needs (demand) & STI solutions (supply)
- Access technology transfer services on-line & off-line
- Find STI knowledge for the SDGs

Based on the findings of three Independent Technical Assessments prepared by the Institutes of Science and Development, Chinese Academy of Sciences (CASISD), DNV GL, and the Overseas Development Institute (ODI) (in alphabetical order) mandated by UN Member States.

https://sustainabledevelopment.un.org/content/documents/16505Full_Report_Online_Platform_Assessment.pdf

A Network of Networks

- Suppliers and users of technology
- Technology transfer service providers
(e.g. of services: technical certification, legal, financial, etc.).
- Science, Technology & Innovation policymakers
who develop the regulatory frameworks and marketplaces.

Accessible to non-experts

Content:

Science, Technology & Innovation Knowledge for the Sustainable Development Goals

Open-access:

- Policies
- Journals
- Databases
- Courses
- Patents
- Events, etc

Services: Technology-Transfer Services On-line & Off-line

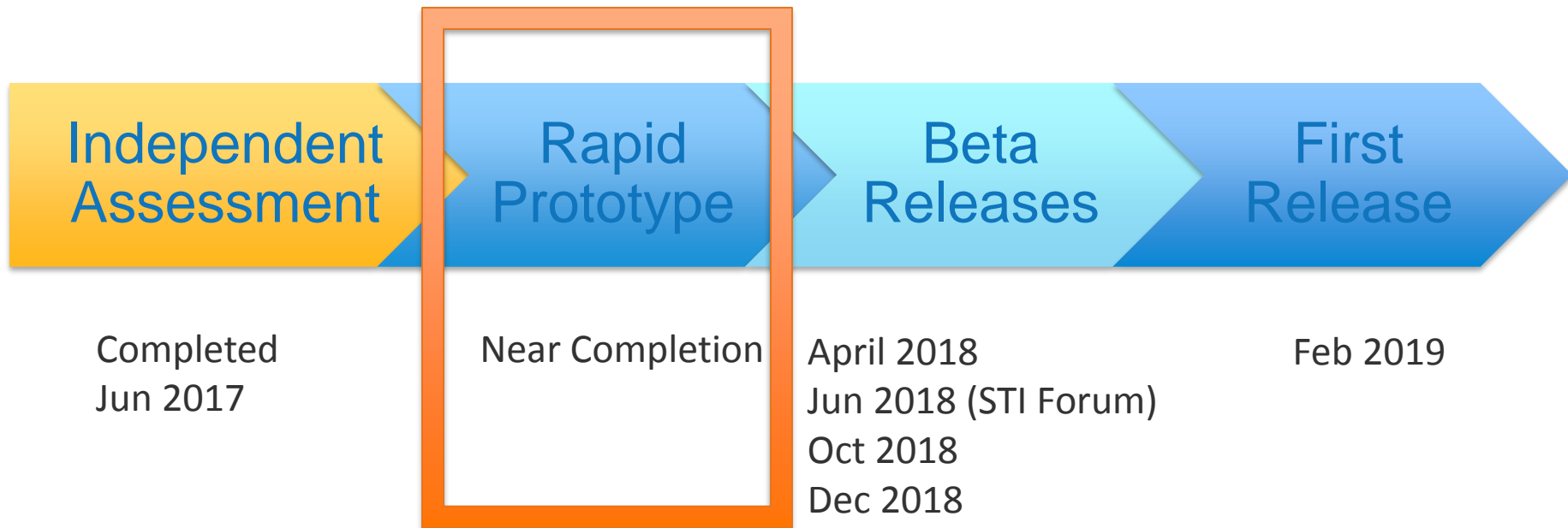
Matchmaking between:

Users \leftrightarrow Suppliers of technology

Services: Financial, legal, certification, etc. \leftrightarrow Enterprises

Technical Specialists \leftrightarrow Enterprises

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Rapid Prototype

UNDESA & UN-OICT launched an on-line crowdsourcing challenge at Unite Ideas, ending Nov 27, 2017.

- 5 ideas received

Features demonstrated:

- Search across various platforms
- Save searches
- Domain-specific features (SISS Geo by FIOCRUZ)



unite
IDEAS

Crowdsourcing Technology
for Social Impact



中国国际技术转移中心
China International Technology Transfer Center



APCTT
Asian and Pacific Centre
for Transfer of Technology



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



UNOSSC
UNITED NATIONS OFFICE FOR
SOUTH-SOUTH COOPERATION



United Nations
Climate Change



WIPO | GREEN
THE MARKETPLACE FOR SUSTAINABLE TECHNOLOGY



- Different from a Google search
 - Curated
 - Specific

- Search leads to an off-line transaction at the partner platform

- User can filter according to needs
 - my region, crop, etc.

Developed by CKM Advisors pro-bono committee
ckmadvisors.com

Search

INCLUDE OFFERS

INCLUDE REQUESTS

INCLUDE PUBLICATIONS

Filter years:

All years

Filter country:

All countries

Filter organization:

All organizations

SUBMIT

Contributing sources are gathered from the below organizations:



WIPO | GREEN
THE MARKETPLACE FOR SUSTAINABLE TECHNOLOGY



UNIDO
UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



TT: CLEAR

UNOM is CKM Advisors' Pro Bono submission to the #Scitechmatcher UNite Ideas Challenge.

Developed by CKM Advisors pro-bono committee
ckmadvisors.com

Opportunity Matcher

LOG OUT

Results

[Fish canning company from Bulgaria is offering its production to potential distributors](#) | EEN

The Bulgarian company is a leader in the local market of canned fish from more than 28 years. The company is offering its canned fish products and canned ready meals to potential distributors from Europe, mostly targeting the Scandinavian market.

[Go to source](#)

[Save](#)

[An Irish based company engaged in the provision of a mobile canning operation seeks joint venture/franchise agency partners in all EU member states.](#) | EEN

The Irish company specialises in mobile canning of all consumer drinks and is particularly suitable for small brewers or other producers where they need to focus on the production of actual product. The company is looking for joint venture partners throughout the EU with a background in co-packaging or beverage filling.

[Go to source](#)

[Save](#)

[Transfer of Sustainable Set-net Fishing Technology from Japan to Costa Rica and Thailand](#) | UNOSSC

The main thrust of the project was the transfer of the traditional Etchu set-net fishing gear, an environmentally friendly technology, from Japan to Costa Rica and Thailand. The project locations were the respective fishing communities in Himi, Japan; Tarcoles, Costa Rica; and Rayang, Thailand. The purpose of the project was...

[Go to source](#)

[Save](#)

[Vegetarian/vegan Omega 3 oils derived from algae available for application as a food fortifier or additive](#) | EEN

A UK food chemicals company has developed a unique range of Omega 3 oils and protein rich biomass products derived from algae. The substances could be deployed to

i need fish canning

INCLUDE OFFERS

INCLUDE REQUESTS

INCLUDE PUBLICATIONS

Filter years:

All years

Filter country:

All countries

Filter organization:

✓ All organizations

WIPO Green

UNOSSC

APCTT

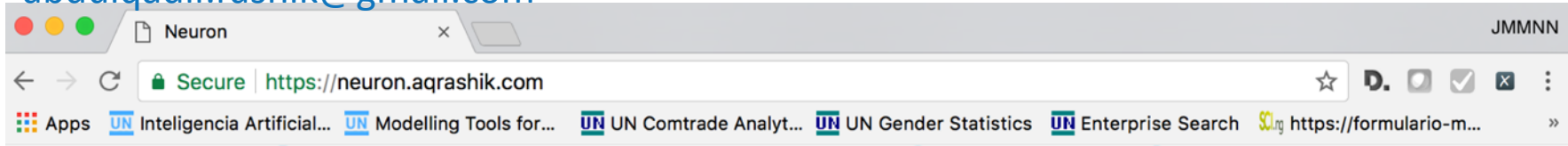
UNFCCC

EEN

UNIDO

CITTC





NEURON

drought resistant agriculture



SEARCH

NEURON
More...

SEARCH

Managing the world's longest-living palms

...highly resistant to fire damage and drought and...a growing demand for agricultural land; cattle grazing...

More...



SIBAT: Training Farmers to Regain Traditional Seeds

...resistant or which seed variety can withstand drought...been advocating for sustainable agriculture and farmers' control...

More...



Polish cultivator of soybeans seeks distributors, licensees and investors, as well offers the shares of the company for sale

...are the most drought-resistant. The company concentrates...Catalogue of Varieties of Agricultural Plant Species (CCA...

More...



Growth strengthener for agricultural products preventing damages caused by frosts, droughts and diseases

...of plant resistance inducers for agriculture. At the...stress factors such as drought or flooding, low...

More...



Fiocruz, Brazil

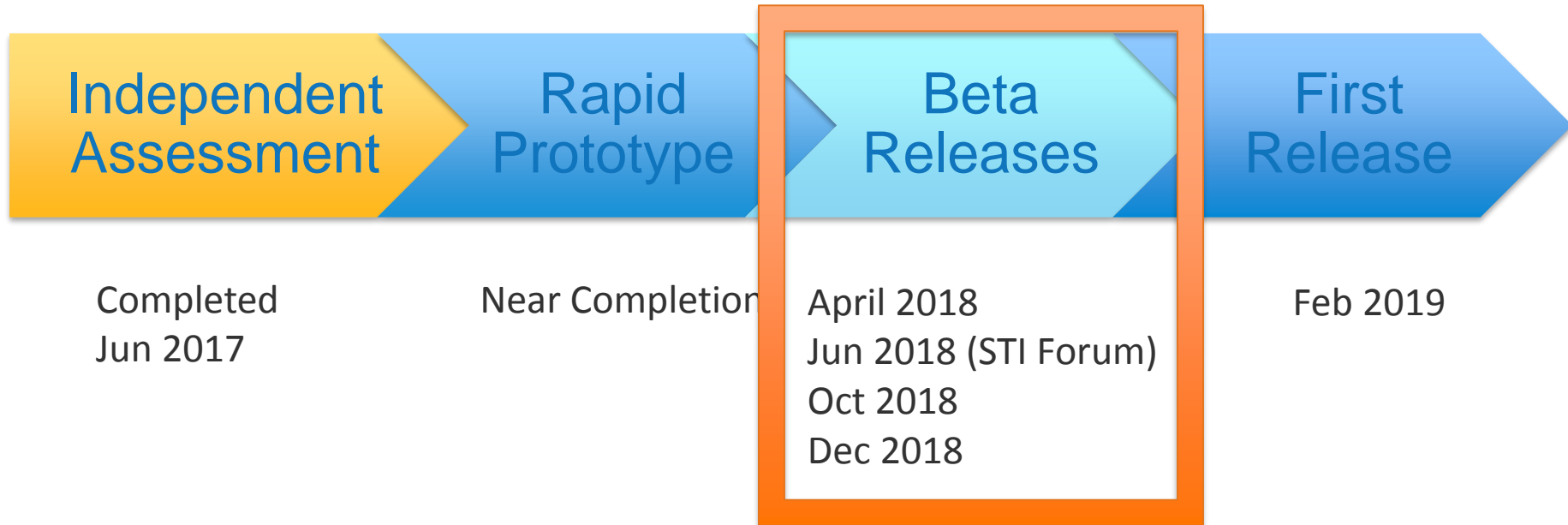
Kind of tool which can be found:

SISS-Geo NÃO CONSEGUE ACESSAR SUA CONTA ?

Estado: Município: Data início: Data fim:
Tipo de animal:



Elements of a Practical Roadmap for Implementation of the TFM On-line Platform (For discussion)



Beta Release 0.1

Features	Data types	Content Partners	Required
Global Search across platforms	Technology offers & requests	See next slide	Standardized Data-Sharing by partners
Repository of tools	Organizations profiles (companies, service providers, clusters)		Network of partner's focal points
Gateway to services			
Language(s):	Open Access journals, publications,	OpenAir, LaReferencia, Etc.	Infrastructure hosting
<ul style="list-style-type: none"> English website Multi-lingual content 		All Network members websites	Human resources
	Websites (simple crawl)		

Tentative sources for Beta release 0.1

- WIPO Green, Organization: WIPO
- Green Technology Bank
- South-South Global Assets And Technology Exchanges (SS-GATE), United Nations Office for South-South Cooperation
- UNIDO ITPO Tokyo's Environmental Technology Database, UNIDO
- Platform for Disaster Risk Reduction (DRR), UNISDR
- Asian and Pacific Centre for Transfer of Technology (APCTT), ESCAP
- Nordic Innovation Accelerator

And all organizations sharing standardized datasets

Beta Release 0.2

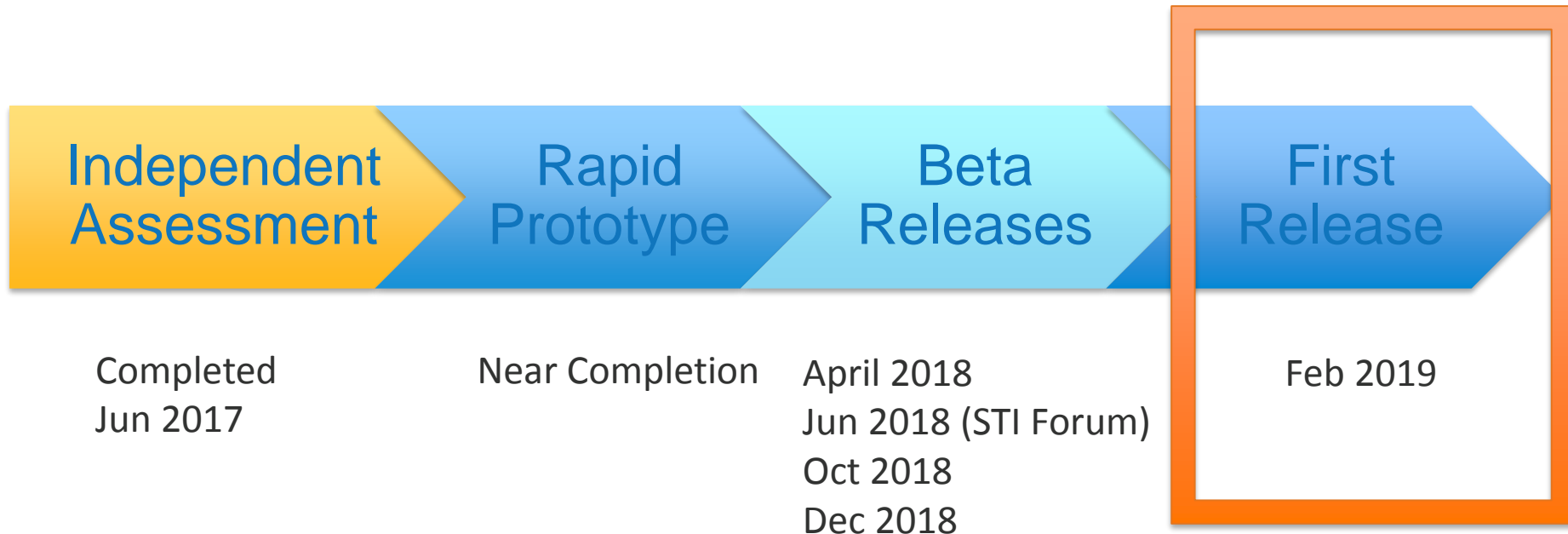
Features	Data types	Content Partners	Required
Generate a user account to: <ul style="list-style-type: none"> - Save queries - Receive periodic recommendation alerts based on these queries 	Previous phase +	All partners sharing standardized content + new:	Human Resources
Collaboration Language(s): <ul style="list-style-type: none"> • English website • Multi-lingual content 	Patents and other IP Knowledge Training materials	WIPO UNU, UNITAR, Edx.org, Coursera	

Beta Release 0.3 : Artificial Intelligence (A.I.)

Features	Data types	Partners	Required
Generate recommendations for content and matching with partners	Previous phase	All partners sharing standardized content	Human Resources +
Based on user profile and click behavior		A.I. partner ->	Artificial Intelligence expertise
Language(s): <ul style="list-style-type: none"> English website Multi-lingual content 			

Field testing at each release with users in developing countries

Elements of a Practical Roadmap for Implementation of the TFM On-line Platform (For discussion)



Version 1.0 (for discussion) : Feb 2019

Deliverable: Stable platform with rich content

Organizational:

- Advisory board
- Seed funding
- Management & operations team (rotating in future)
- Active network of partner's focal points

Next steps:

- Ramp-up user adoption
- Planning enhancements e.g.:
 - Mobile app
 - New content & services

Seek inputs

- Features
- Services
- Maintaining the platform
- Should there be a Beta Demo or Beta Lunch at STI Forum, or side-event ?



Thank you

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