
Allotrope Foundation Roadmap Update

**Allotrope Connect, October 2019
San Francisco, USA - Genentech**

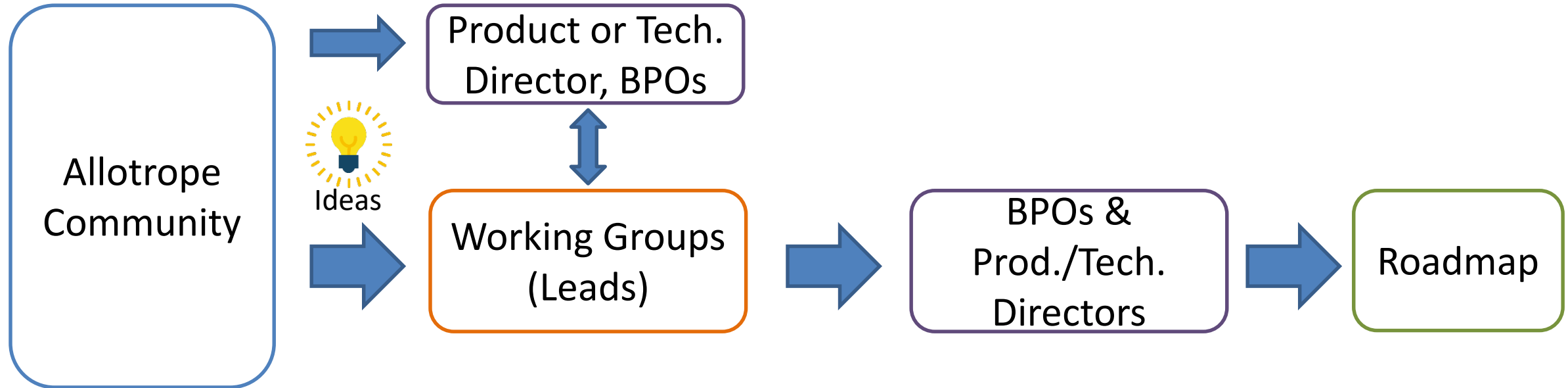
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Summary

- Roadmap Approach
- Reminder of Roadmap Idea Processes
 - How an Idea Gets Included in the Roadmap
- Transitioning to Steady State
- 2019 Roadmap Update
- 2019-2020 Roadmap
 - Comments, Questions, Idea? Find me afterwards.



Roadmap Idea Processes – How Ideas Are Included in the Roadmap



- Identify and define potential enhancements

- Assess potential enhancements
- Quarterly review and prioritization of backlog

- Quarterly assessment of all backlog for inclusion in roadmap



Transitioning to Steady State

- Planning commercial releases 3-4 times per year
- 2Q-3Q 2019: Roadmap items have been more clearly linked to Working Group (WG) output and prioritization of WG or WG Lead.
- Some discussions taking place during Allotrope Connect:
 - How to submit terms
 - Align on updates to governance processes
 - Align on release processes and storage
 - Product certification
 - GitLab tix processes
 - Centralization of community technical discussions
 - ADF Explorer plug-in, tool access and usage



2019-2020 ADF, Tooling, Support Roadmap Deliverables

Product	Date	Short Description	Status
ADF	2Q2019	Updated governance process including versioning and nomenclature	Completed
ADF	2Q-3Q2019	v1.4.10 Release <ul style="list-style-type: none"> Improves compression and overwriting in Linux, bug fixes and performance of audit trail 	Completed
ADF	~4Q2019	v1.5.0 Release – Can proceed now that v1.4.10 has been fixed and released <ul style="list-style-type: none"> Inclusive of Bayer contribution: Data Package supports multiple versions of a file, improvement to ADF versioning compatibility 	In Progress
ADF	4Q2019-TBD	Assessment of Jena abstraction and Java v8+ upgrade; behind schedule; decisions pending Tech Dir onboarding	Started
ADF	~1Q2020	Identify ADF modifications needed for MS data cube; difficult problem; community engaged	In Progress
ADF	1Q-4Q2020	Core investments: Data Cube API update, ADF Explorer Performance Improvements, Object Store Efficiency, and ADF Reader Data Cubes to RDF; decisions pending Tech Dir onboarding	Not Started
Tooling	4Q2019	Release RDFCMAP tool UX improvements; SMEs can convert compliant CMAPs into instance graphs in ttl format	Completed
Tooling	4Q2019-1Q2020	Ontology Merge Tool (SOW pending AF technical survey responses, delivery 1Q2020)	In Progress
Tooling	4Q2019	OSee Visualization Tool (SOW pending minor revision, delivery 4Q2019)	In Progress
Tooling	4Q2019-1Q2020	SHACL validator (RFP issued, Vendor Selection On-going, delivery 1Q2020)	In Progress
Tooling	1Q-4Q2020	SHACL editor tool, scope still TBD	Not Started
Support	4Q2019-4Q2020	2020 Support & Maintenance (RFP issued, provider selection T-Dec'19)	In Progress

2019-20 AFO / ADM Roadmap Deliverables

Product	Date	Short Description	Status
AFO/ADM	3Q2019	LC-UV graph extensions, including ADF interoperability (public review)	Completed
AFO/ADM	3Q2019	LC-UV graph model for calibrated results (public review)	Completed
AFO/ADM	3Q2019	GC graph model (public review)	Completed
AFO/ADM	4Q2019	Document release of Raman leaf node model (creates baseline example for Modeling WG)	Completed
AFO/ADM	4Q2019	LC-MS data description (public review)	In Progress
AFO/ADM	4Q2019	MS SQD graph model (public review)	In Progress
AFO/ADM	4Q2019	Chromatographic columns graph model (public review)	In Progress
AFO/ADM	1Q2020	SFC graph model (public review)	In Progress
AFO/ADM	1Q2020	Core: Blood gas analyzer, cell counter, DSC, pH meter, TGA, XRPD, KF leaf node models (public review)	In Progress
AFO/ADM	1Q2020	Core: Bulk Densitometer, Dynamic Vapor Sorption Analyzer, Optical Microscope, Particle Size Distribution instrument, Powder Shear Cell, Scanning Electron Microscope, and Surface Area Analyzer	Just Started
AFO/ADM	2Q2020	Core: Volumetric Titration, FTIR spectrometer, LOD instrument, Nephelometer, Flow Cytometry, image analysis, plate readers and polarimeter leaf node models (public review)	Not started
AFO/ADM	4Q2019-2Q2020	Automation of applicable aspects of product release; decision pending Tech Dir onboarding	Not started



2019-20 Community / Collaboration Efforts

Product	Date	Short Description	Status
AFO/ADM	3Q2019	Empower CDS Converter (Phase 1 completed), Phase 2 underway (ADM adoption)	In Progress
AFO/ADM	4Q2019	NMR Integration (Pfizer / BI)	In Progress
AFO/ADM	3Q2019	Pistoia method DB (Phase 1 completed), Phase 2 to begin 4Q2019	In Progress
AFO/ADM	4Q2019	Sciex2 DataCube (Bayer / BI / Sciex)	In Progress
AFO/ADM	4Q2019	Digital Dossier (RFP issued for eCTD ontology, scoping discussion underway)	In Progress
AFO/ADM	4Q2019	TetraScience Allotrope Conversion as a Service (CaaS) community tool	Completed
AFO/ADM	3Q2019	Merck ADF Graph Extractor community tool	Completed



2019 Product Tasks

Product	Date	Short Description	Status
ADF, AFO, ADM	2Q-4Q2019	Knowledge Transfer Document general and technical processes: <ul style="list-style-type: none"> Detailed ADF and AFO release activities with estimated work effort KM efforts will intensify and complete when Tech Dir is onboarded 	In Progress
ALL	2Q-4Q2019	Training guides with examples: <ul style="list-style-type: none"> Modeling Tutorial & Leaf Node Video Training 	In Progress
General	2Q-4Q2019	Community forum for lessons learned: <ul style="list-style-type: none"> Active discussion, though have not yet aligned on platform 	In Progress
General	2Q2019	cGxP assessment: <ul style="list-style-type: none"> In need of community support and resources 	Not Started
General	2Q2019	June: Roadmap planning and feedback with the BoD <ul style="list-style-type: none"> No planned roadmap changes, and behind schedule on ADF assessments & tooling specifications for RFPs Will reschedule for Nov'2019 BoD meeting 	Rescheduled
General	3Q2019-1Q2020	Marketing & Comm. material dev. for different personas: <ul style="list-style-type: none"> Communication WG took over, completed C-suite 	In Progress
General	4Q2019	Operational Improvements: Assess GitLab - Access/Control/Usage	In Progress



Direct & Candid Feedback Helps Me Help the Community

Please be direct and candid: I *want and need* to hear –

- what you or your team DOESN'T like, along with the things you do*
- what product sticking point(s) are holding you back from a POC*
- what domain(s) you think should be next
- if a performance gap in a product or tool is a roadblock for your team
- from new users about their good or BAD on-boarding and ramp up experience*

Please give me the good, the bad, and the ugly. I want to hear from you!

Find me afterwards, or

email me at: matthew.fox@allotrope.org

