

E m I T

CONSORTIUM

Aims and objectives, software development process, roadmap

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ANSYS

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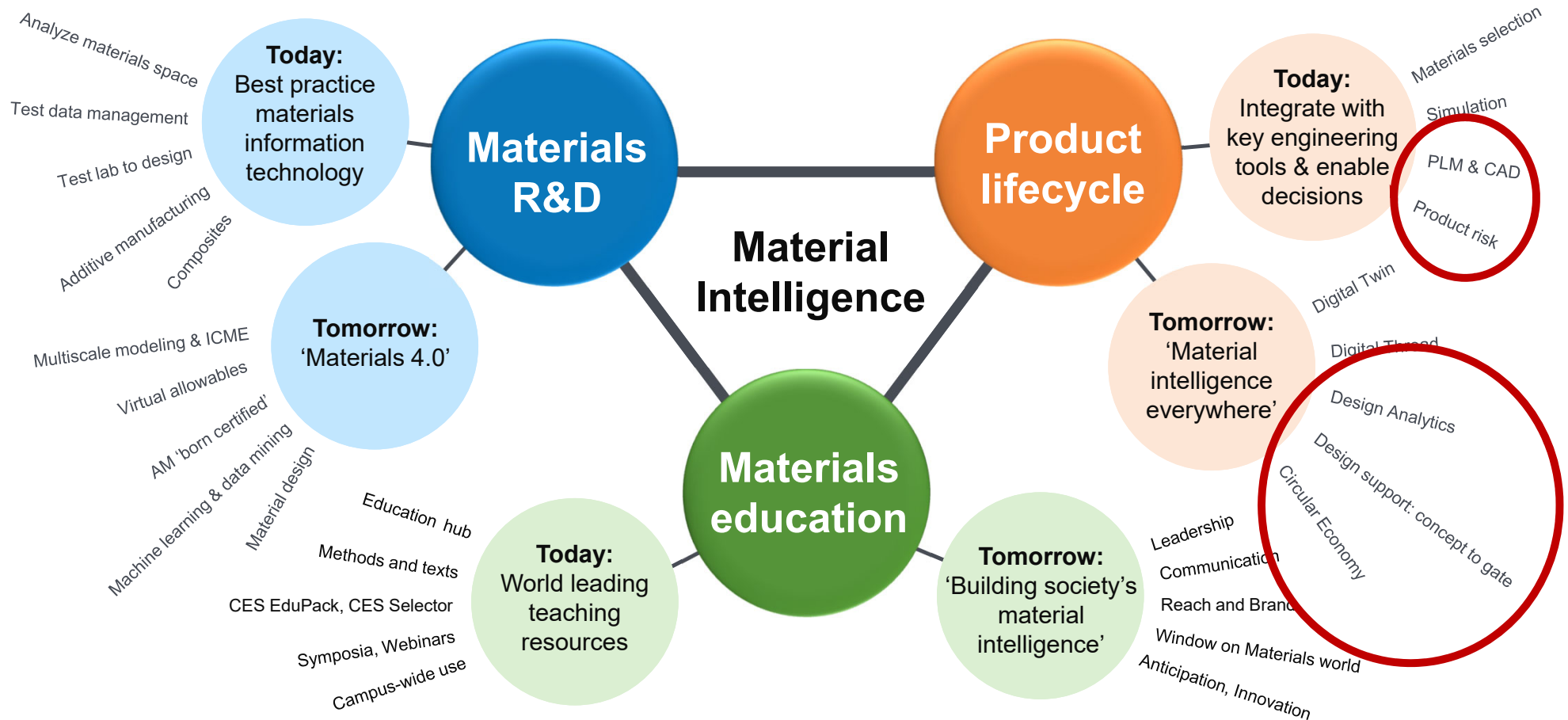
Contents

1. Aims of the EMIT Consortium
2. Development Process
3. Roadmaps
4. Objectives of the Meeting

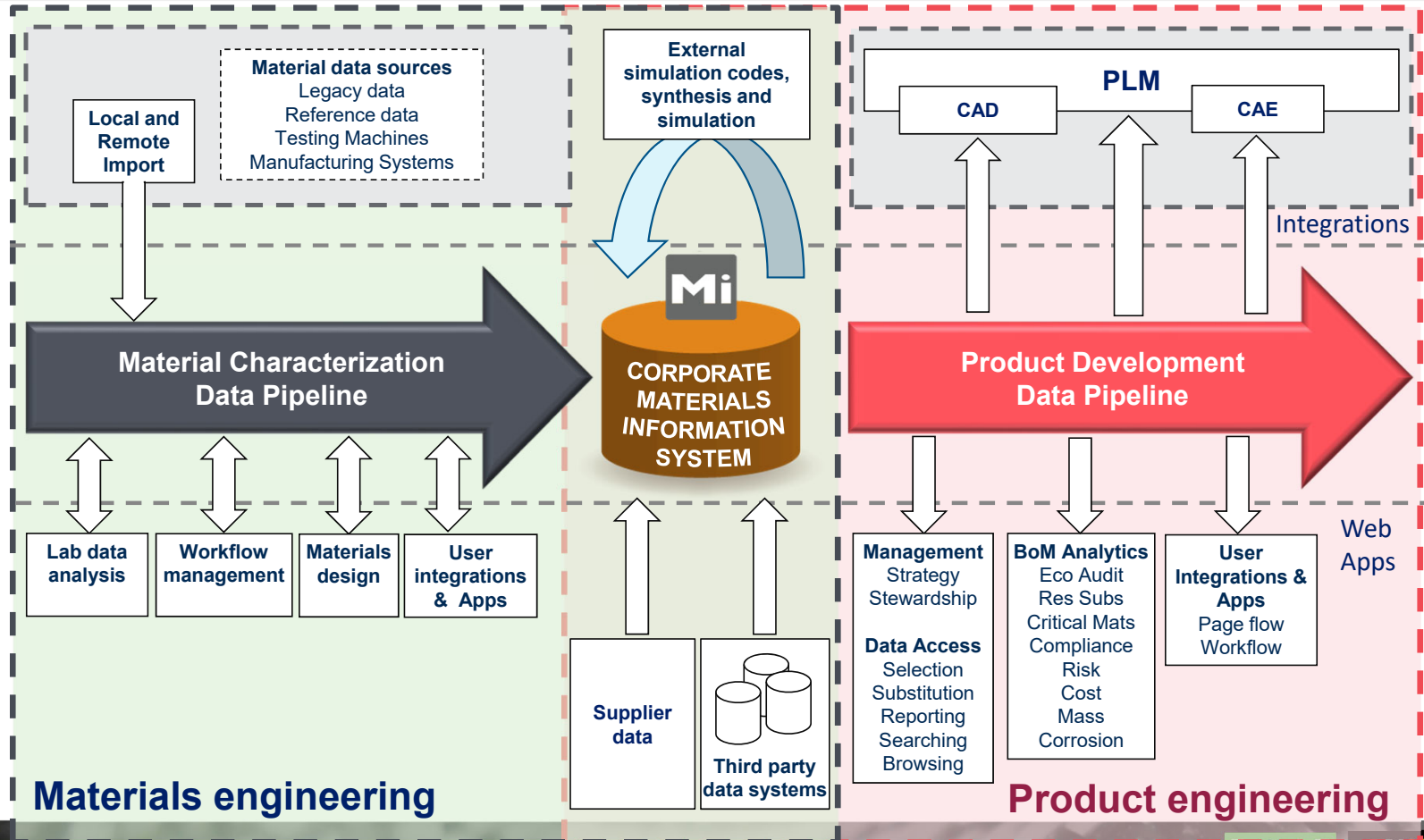
EMIT Consortium Aims

1. Minimize business risk associated with environmental legislation, through material and process information management.
2. Reduce the environmental impact of products through materials and process decisions during design
3. Embed eco-design and product stewardship in normal engineering workflows
4. Combine expertise / resources of members: share costs, effort, benefits

Granta vision: “Integrating material intelligence through education, R&D, and the product lifecycle”



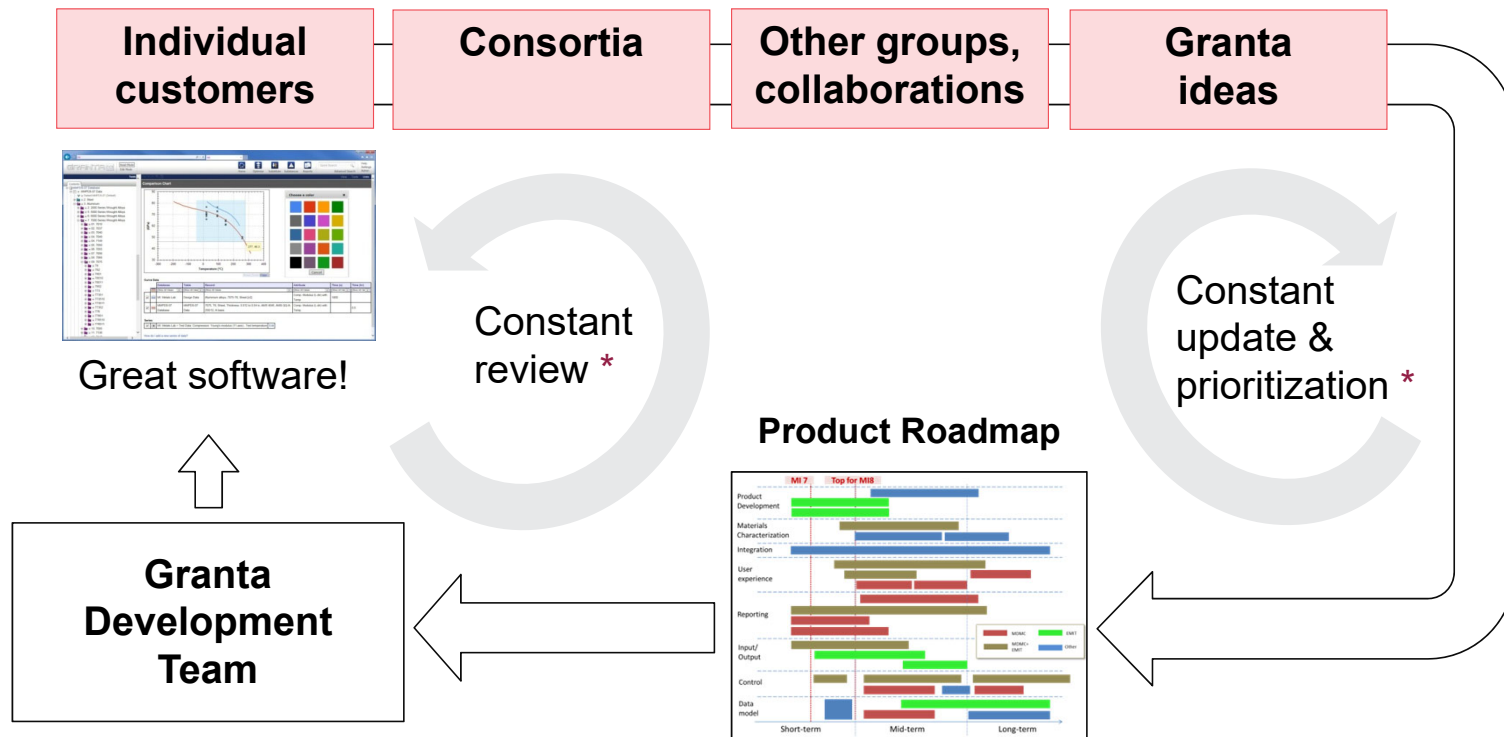
The materials information environment



Development Process

Development in collaboration with our network

Goal: software that evolves to meet changing needs & deliver even more value



* E.g., at regular Consortia and User Group meetings

Key components of EMIT process

- Software Deep Dive
- User / Data Stories
- EMIT Report
- Roadmap Sessions

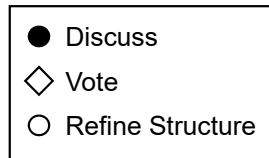
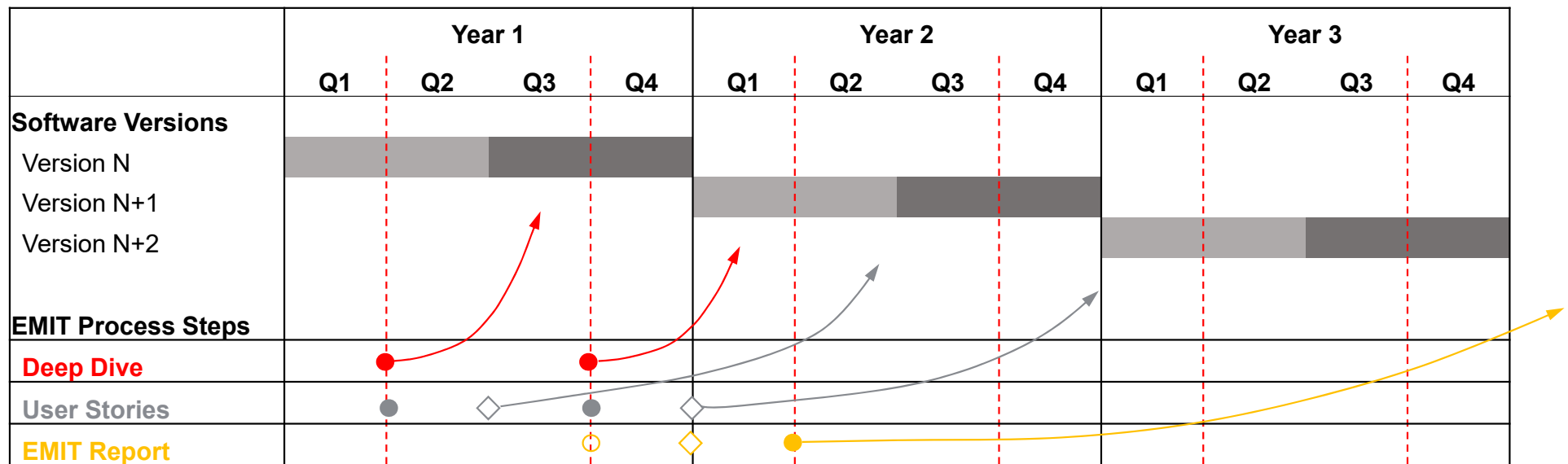
EMIT process – Tactical: User Stories

- Software/Data Deep Dives
 - Software that will be developed in **next 6-12 months**
 - Review and discuss software design and interface
 - One session per meeting
- User/Data Stories
 - Software/Data Epics prioritized for development **next year**
 - Review existing list of user/data stories
 - Review progress to date
 - Add further user stories
 - Vote after meeting to re-prioritize

EMIT Process – Strategic: ‘EMIT Report’

- Aims
 - Set strategy in **2+ years from now**
 - A view of ‘where you are trying to get’
 - Review of progress towards the destination
 - Help you to tell us how to move forward
 - Help structure the strategic prioritization process
- Key Elements
 - Industry trends and drivers
 - Implementation process survey
 - Barriers to progress
- An Annual EMIT Report on the State of the Community

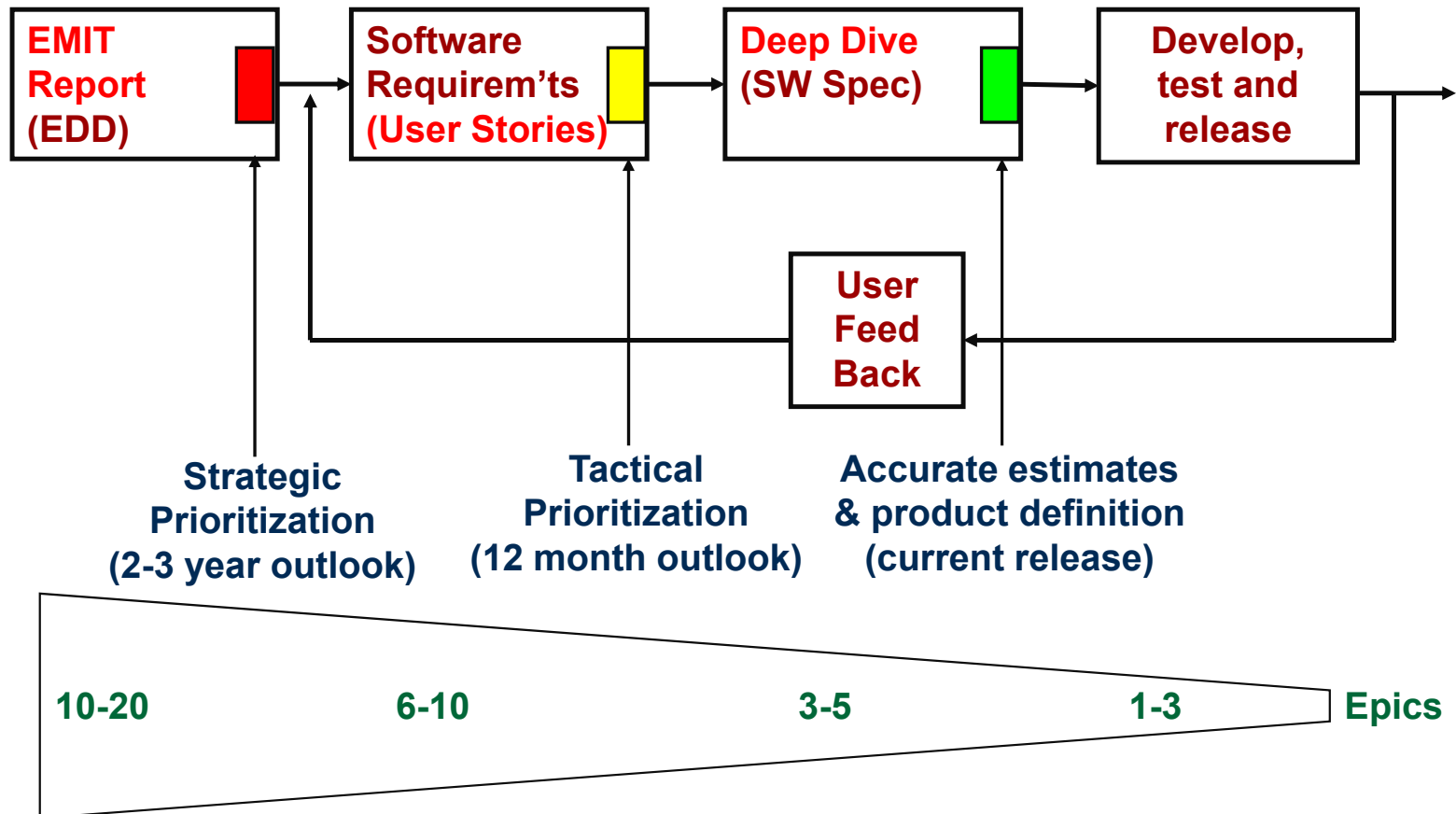
Process Timetable



Meeting and Voting

	Software Roadmap	Data Projects Roadmap	EMIT Report
During Meeting	• User Stories • Deep Dive • Demos	• Data Stories • Data projects • Demos	• Discuss results (Spring) • Refine structure (Fall)
Post-meeting	User Stories Vote(s)	Data Stories Vote	EMIT Report Vote (after Fall meeting): • Drivers • Implementation status

Development Pipeline



Proposed for GRANTA MI 2020 R1

Key:

Proposed for MI2020
No major changes in MI2020
Discussion this meeting

Product Development

17. Product reporting

16. Materials Selection

27. Knowledge Management

Materials Characterization

13. Lab/Data Analysis

14. Lab Process Support

12. Production

MatAnalyzer v1.3

Integration

25. Intg 3rd party tools

STK 2.0

GW6 ANSYS, ANSA & Linux

11. CAD, CAE and PLM Gateway

User experience

21. Search & Browse

24. Personal Projects

23. Collaboration

Gateway v6 new UX
Search enhancements

22. Datasheet experience

Reporting

18. System level reporting

26. Data mining

20. Graphing

MatAnalyzer 1.3

19. Comparison

Input/Output

8. Import

10. Export

9. Supplier Portal

Control

1. Workflow

Enhanced Data Updater
FLEX licensing

2. Sync

3. Administration

4. Delivery

Data model

7. Data relationships (includes Linking & Tabular Data)

15. Advanced Materials Properties

Short-term

Mid-term

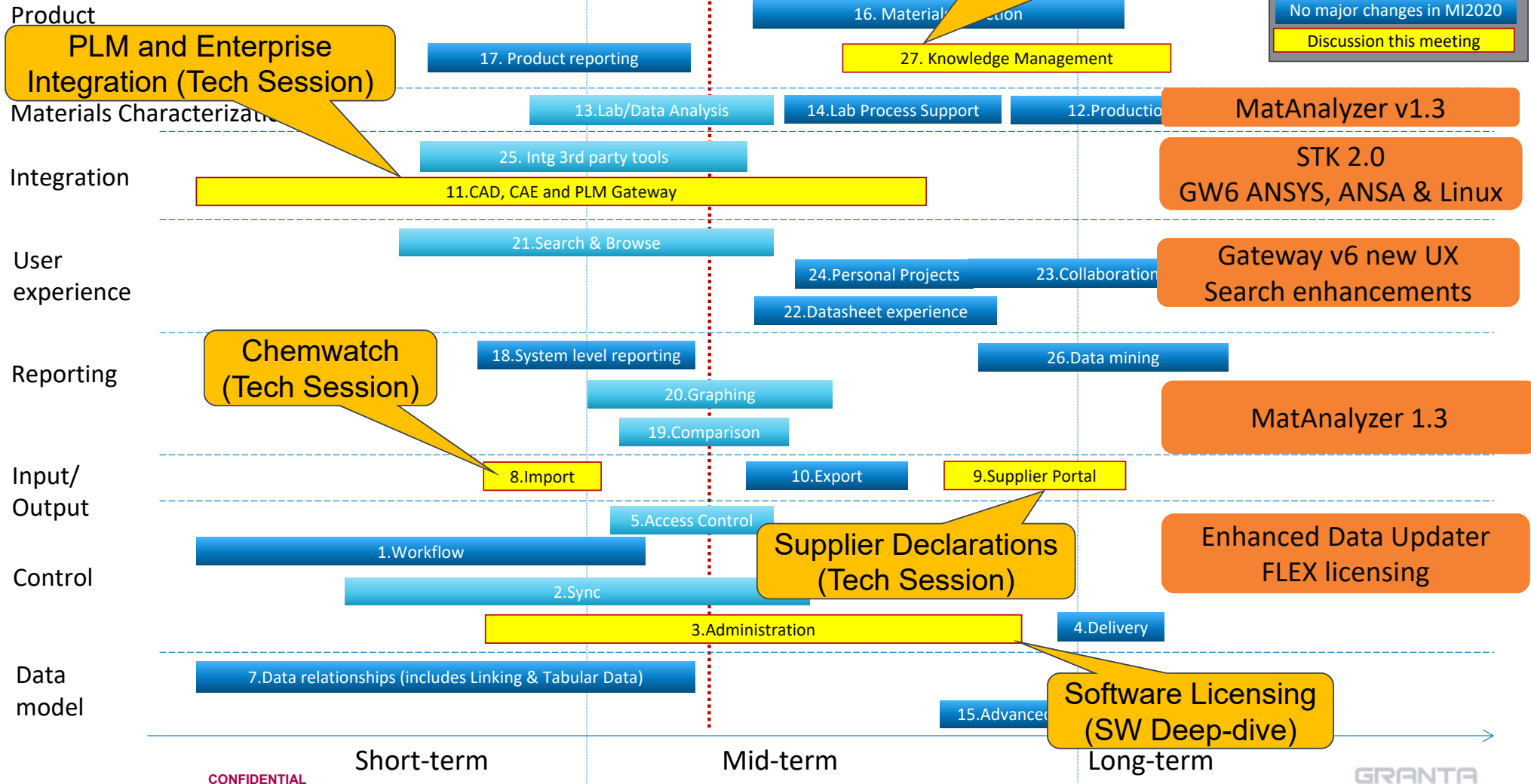
Long-term

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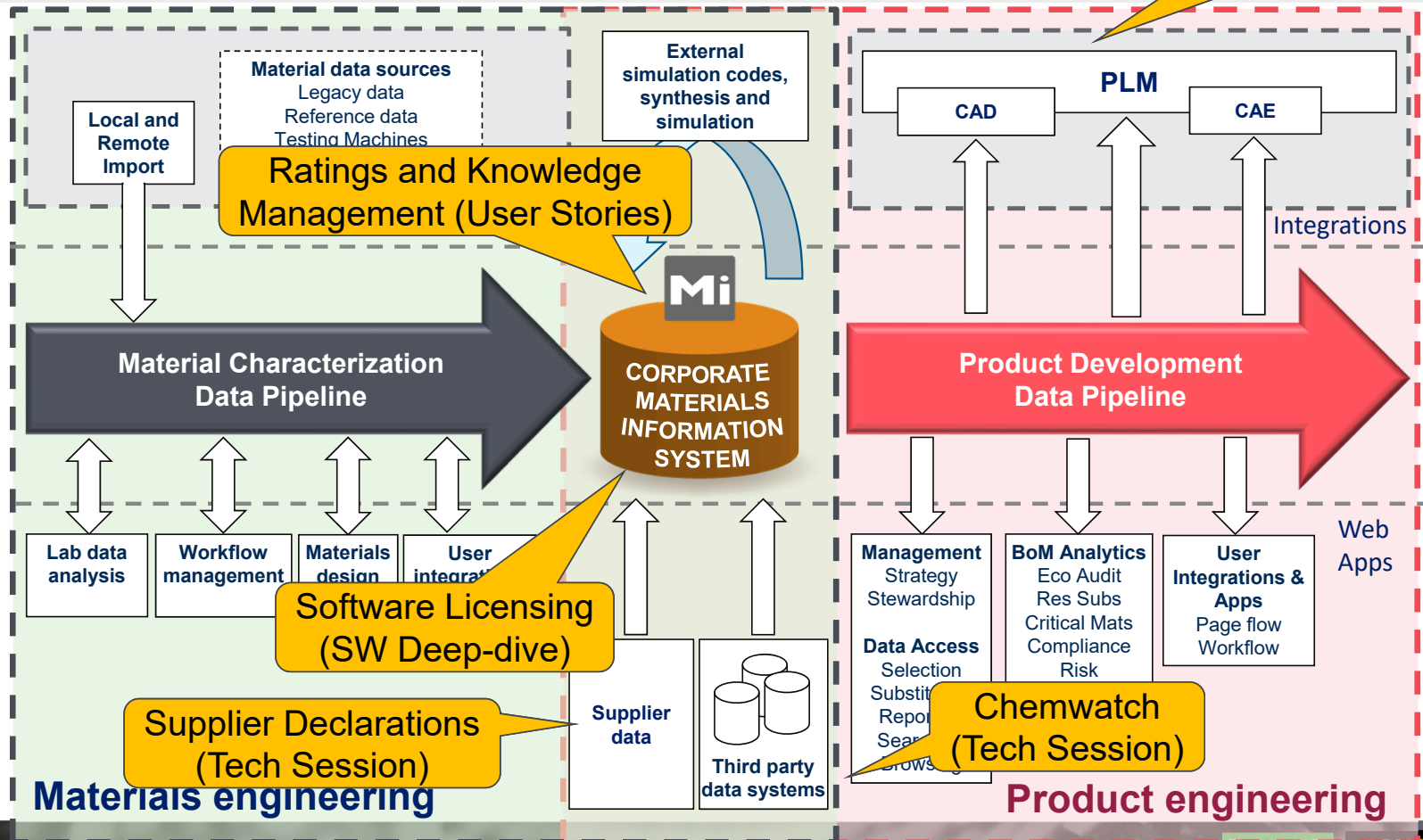
Proposed for GRANTA MI 2020 R1

Ratings and Knowledge Management (User Stories)



The materials information environment

PLM and Enterprise
Integration (Tech Session)



EMIT Data Products Roadmap



EMIT Data Products Roadmap

Legislation Ratings
(Data Deep Dive)

Legislation &
Lists

New legislations & lists

Updating existing lists (e.g. REACH)

Product Risk Update

Database Schema

Schema enhancements

Industry
Standards &
Specifications

Surface treatment specs

Processing and joining specs

Standard industry parts (e.g. mechanical, electrical, other)

Specification
roll-up

M & P Universe

Fluids, lubricants, adhesives and coatings

Restricted
Substances

Where used data for substances

Material/Preparation Composition

Substitute substances

Critical Materials
& Sustainability
metrics

Chemwatch

Manufacturing impacts, wastes and efficiency

Material impacts

Geographical data

Product
Risk

Product risk indicators

Combined risk assessment

Short-term

Mid-term

Long-term

Discussion this meeting

Summary of Meeting

1. Demos:

- What's new in MI?

2. Software

- Software Deep-Dive: Software Licensing
- User Stories: Ratings and Knowledge Management
- Update: PLM and Enterprise Integration

3. Data

- Legislation Ratings
- Product Risk Update

4. 'EMIT Report'

5. Other Items

- Supplier declarations
- Specification roll-up
- Chemwatch

6. Member Presentations