



AGILITY & COSMIC FUNCTION POINTS IN DAD (DISCIPLINED AGILE DELIVERY)

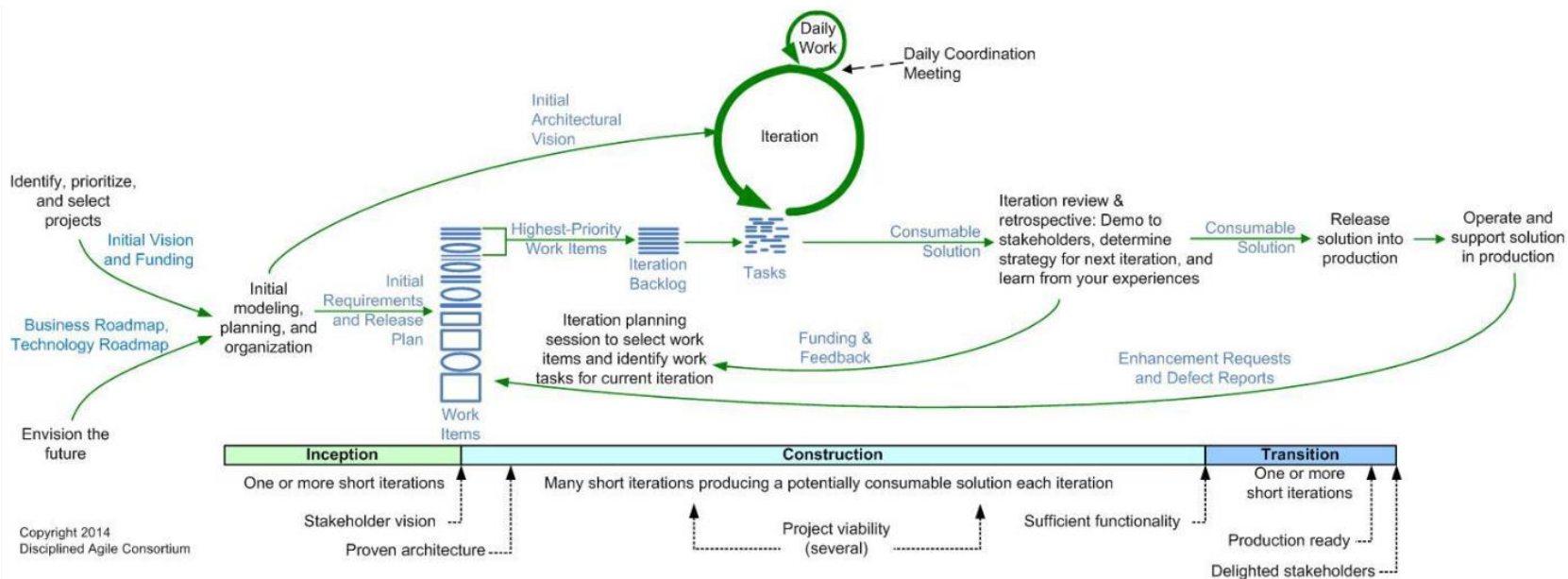
Saadia Ait

Adapted & Translated by Alain Abran

COSMIC Function Points & the DAD framework :

1. COSMIC & '*agile/basic*' DAD
2. COSMIC & '*advanced/lean lifecycle*' DAD
3. COSMIC & '*lean continuous delivery lifecycle*' DAD
4. COSMIC & '*Lean statup lifecycle*' DAD

'DAD agile/basic version'

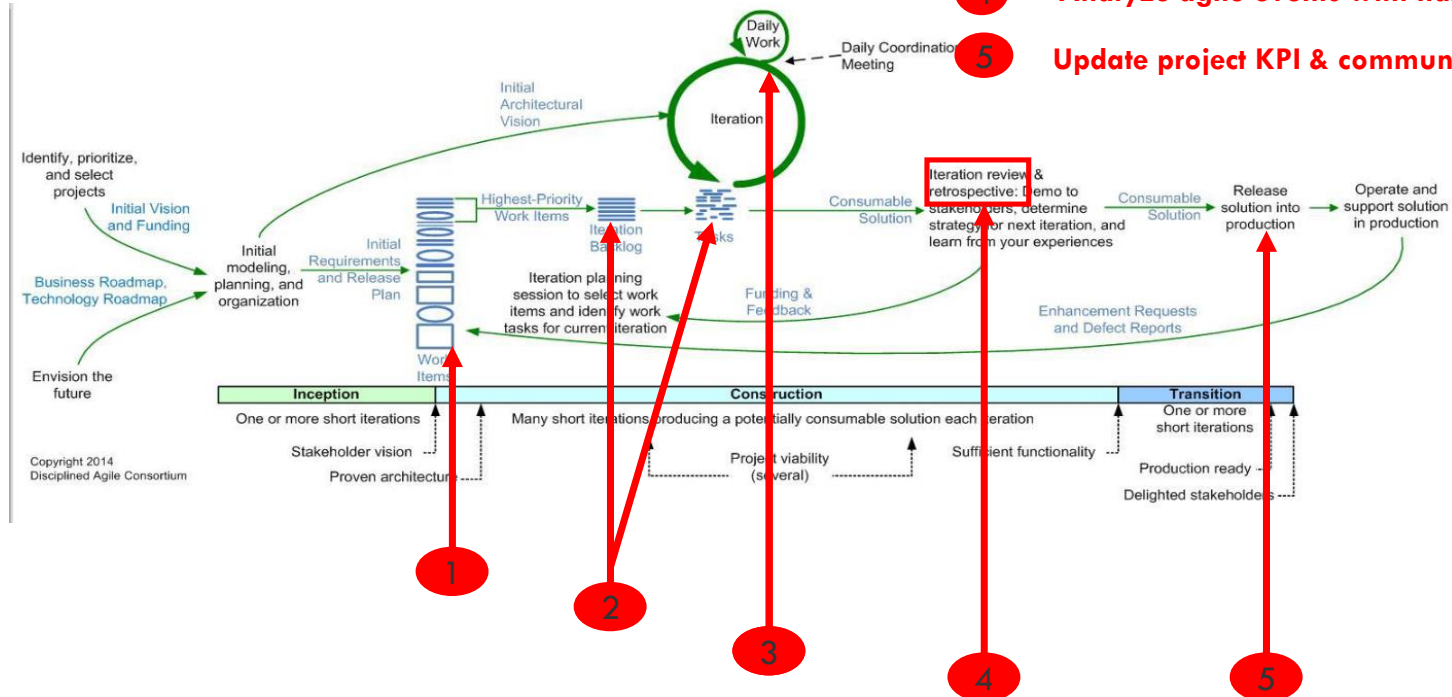


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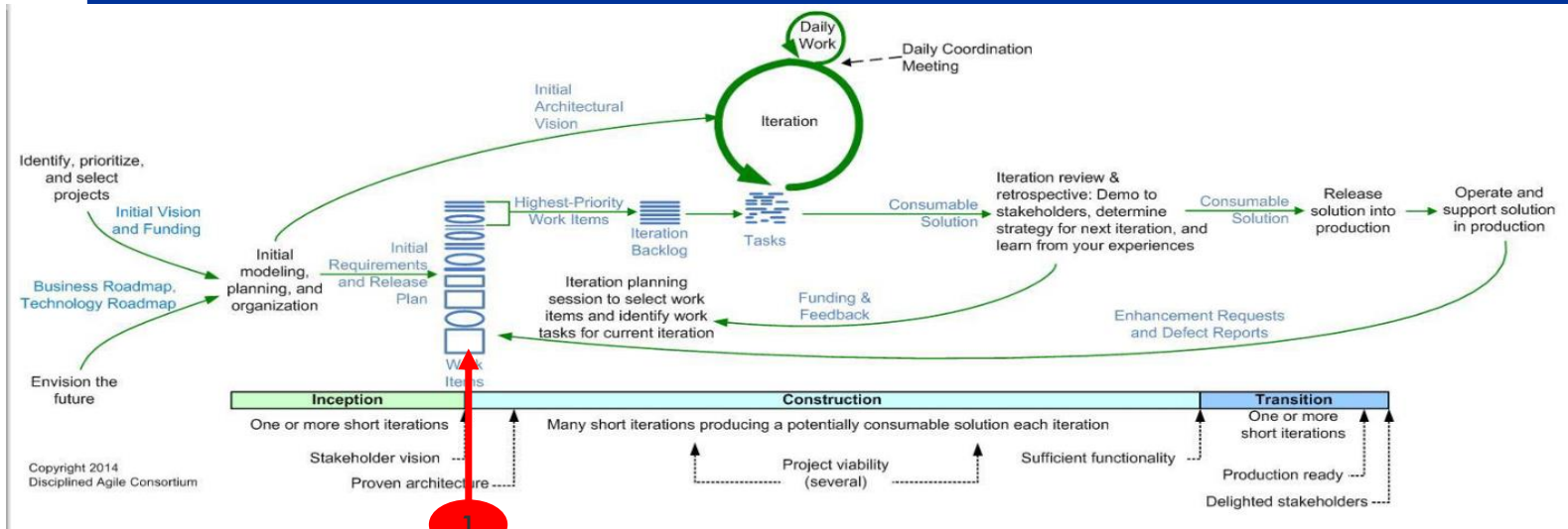
Integration of COSMIC & 'DAD agile/basic version'

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- 1 For each User Story – US (user need)
- 2 Estimate Effort with COSMIC
- 3 Update agile artefacts
- 4 Analyze agile events with hard numbers
- 5 Update project KPI & communicate (PCO)



COSMIC & 'DAD agile/basic version'

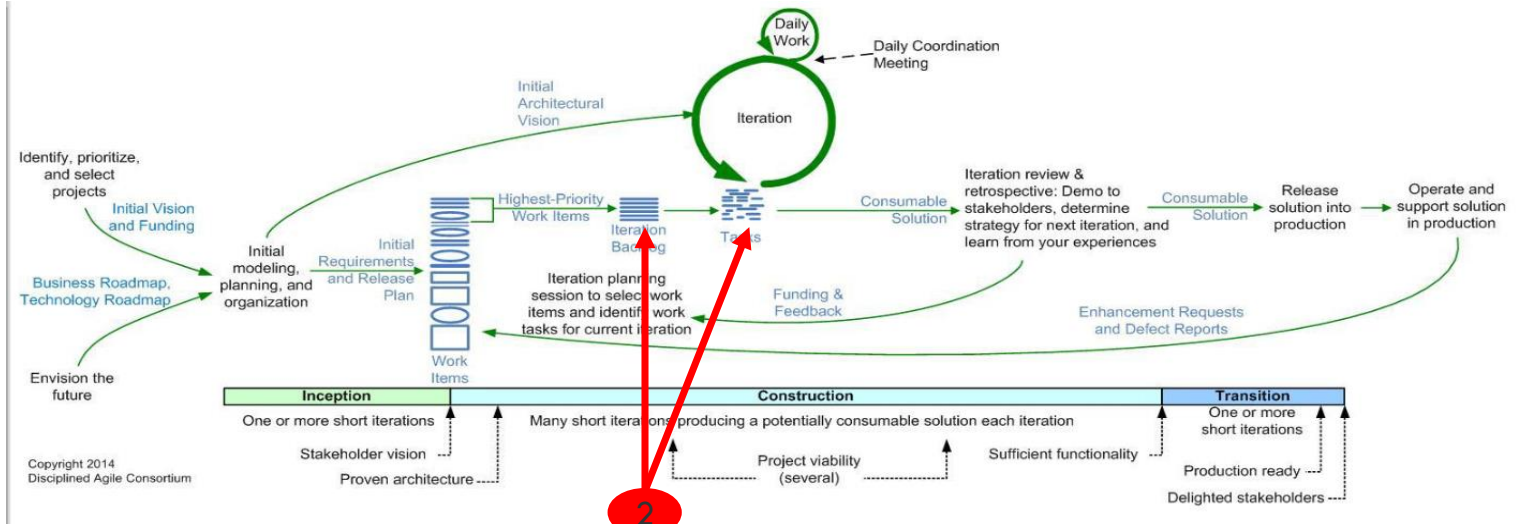


COSMIC sizing: for each User Story (US) :

- **Number of Entry, Exit, Read & Write**
- **COSMIC size of the User Story**

COSMIC & 'DAD agile/basic version'

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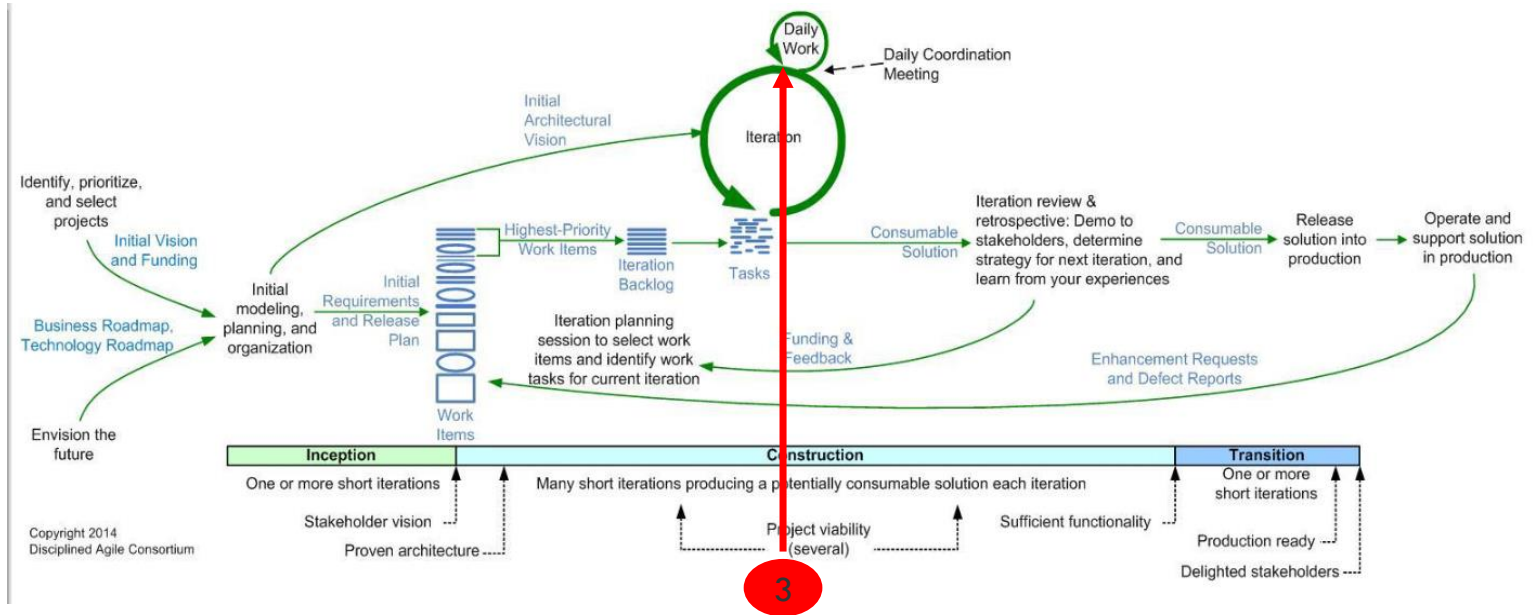


Effort estimation with COSMIC :

- Select the relevant COSMIC productivity model for the project or the sprint
- Estimate Effort (E)

COSMIC & 'DAD agile/basic version'

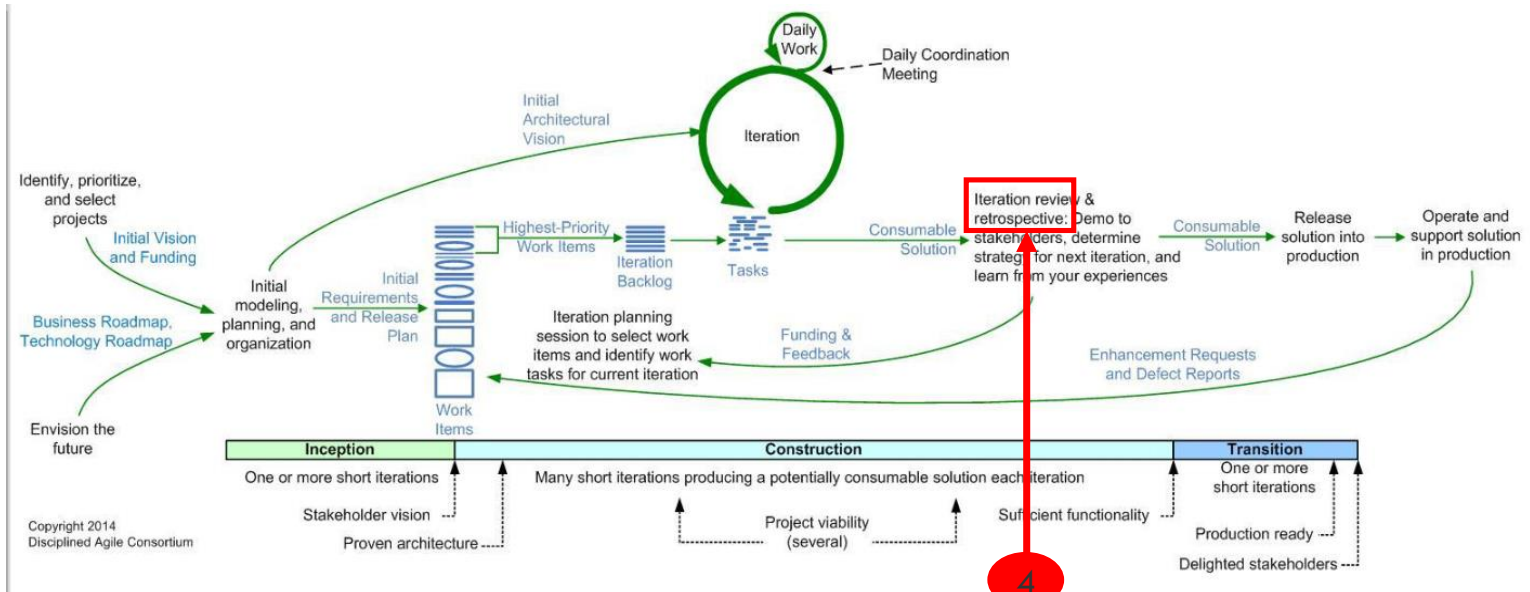
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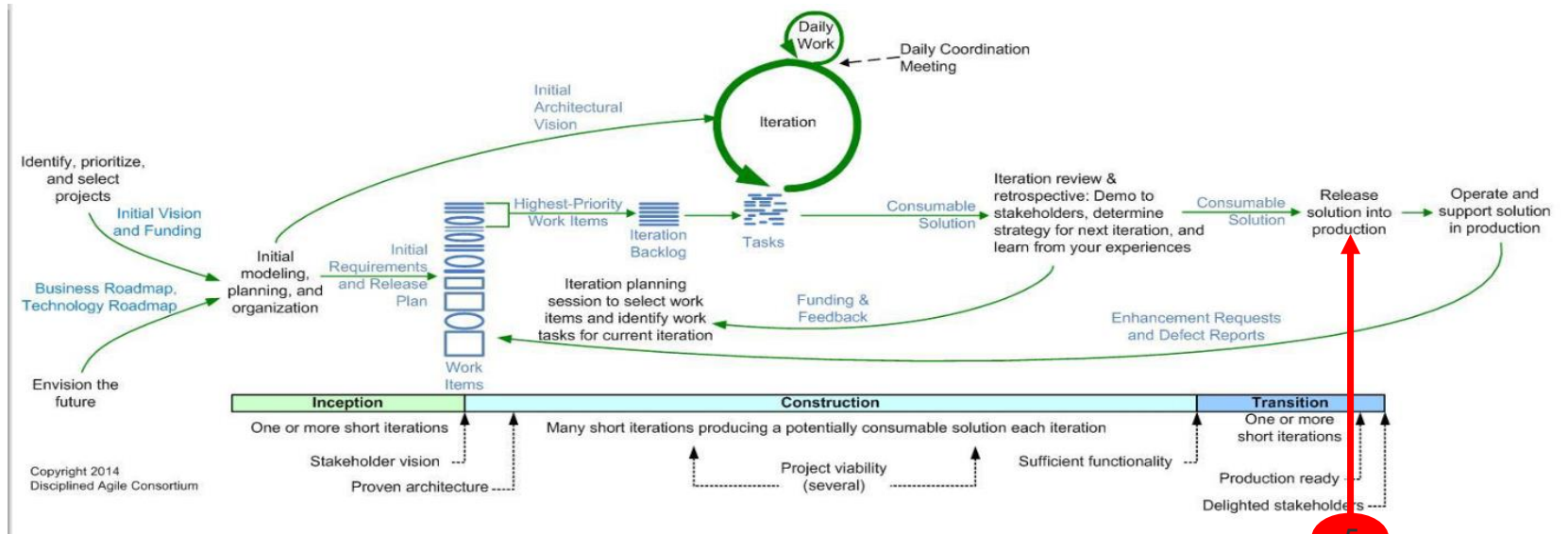
- **Update Agile artifacts, including :**
 - **Burndown chart: actual VS planned size – every day**
 - **Velocity chart : at end of iteration update the total of actual COSMIC Function Points to compare with planned CFP**

COSMIC & 'DAD agile/basic version'



- **Monitor agile event with hard numbers :**
 - **In agile 'review' & 'retrospective', get up to date iteration info, including the 'burndown chart'**
 - **Discuss findings**

Integration of COSMIC & 'DAD agile/basic version'



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- Update project (KPI) and communicate (PCO):
 - Will depend on required analyses

COSMIC Legend on DAD diagram

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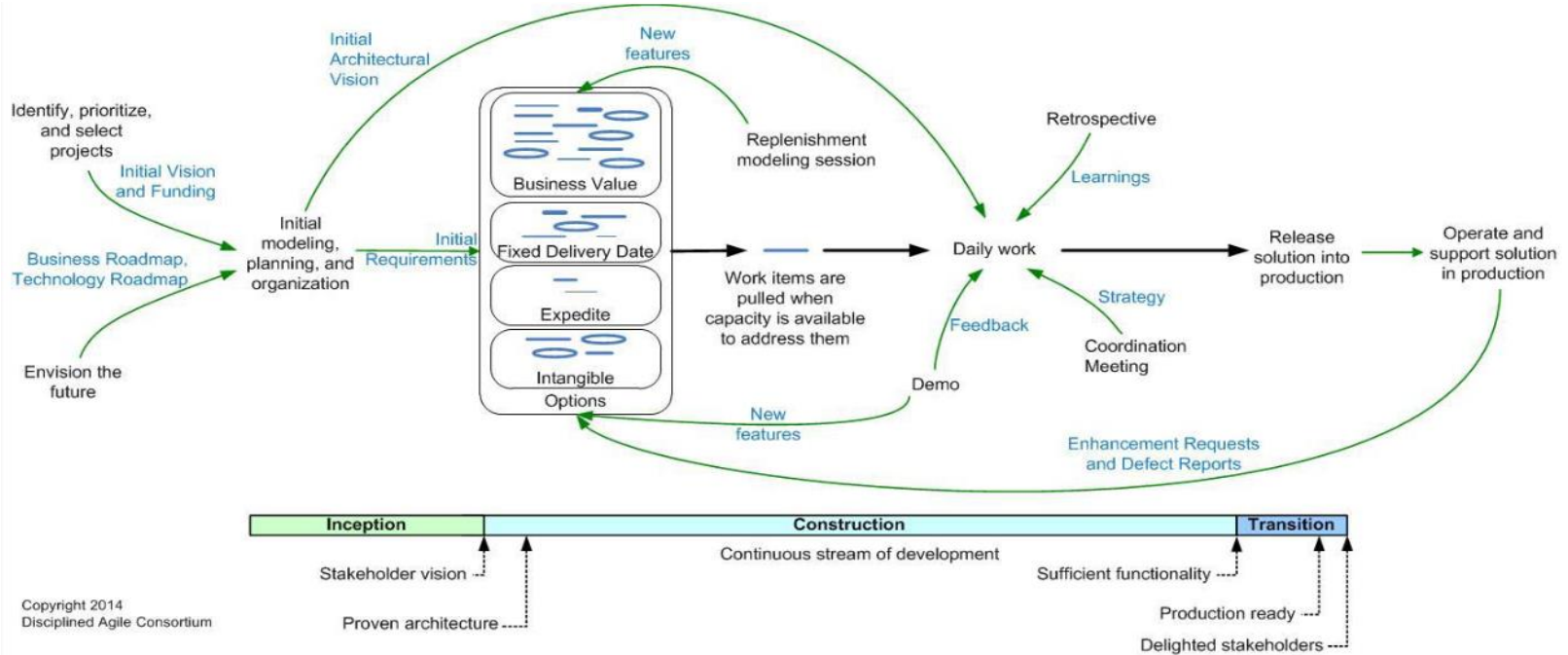
- 1 **For each User Story – US (user need):**
 - Identify COSMIC Entries, Exits, reads & Writes
 - Size with COSMIC Function Points (CFP)
- 2 **Estimate Effort with COSMIC:**
 - Select relevant COSMIC productivity model for project or iteration
 - Estimate Effort with COSMIC (E)
- 3 **Update agile artefacts :**
 - Burndown Chart: actual VS planned size - every day
 - Velocity diagram: at end of iteration, update actual COSMIC Function Points (CFP) and compare with planned CFP
- 4 **Analyze agile events with hard numbers:**
 - In 'review' & 'retrospective' agile events, get iteration facts, including up to date 'burndown chart'
 - Discuss findings
- 5 **Update project KPI and communicate (PCO):**
 - Will depend on selected analysis methods.

COSMIC Function Points & the DAD framework :

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COSMIC & 'advanced/lean lifecycle' DAD

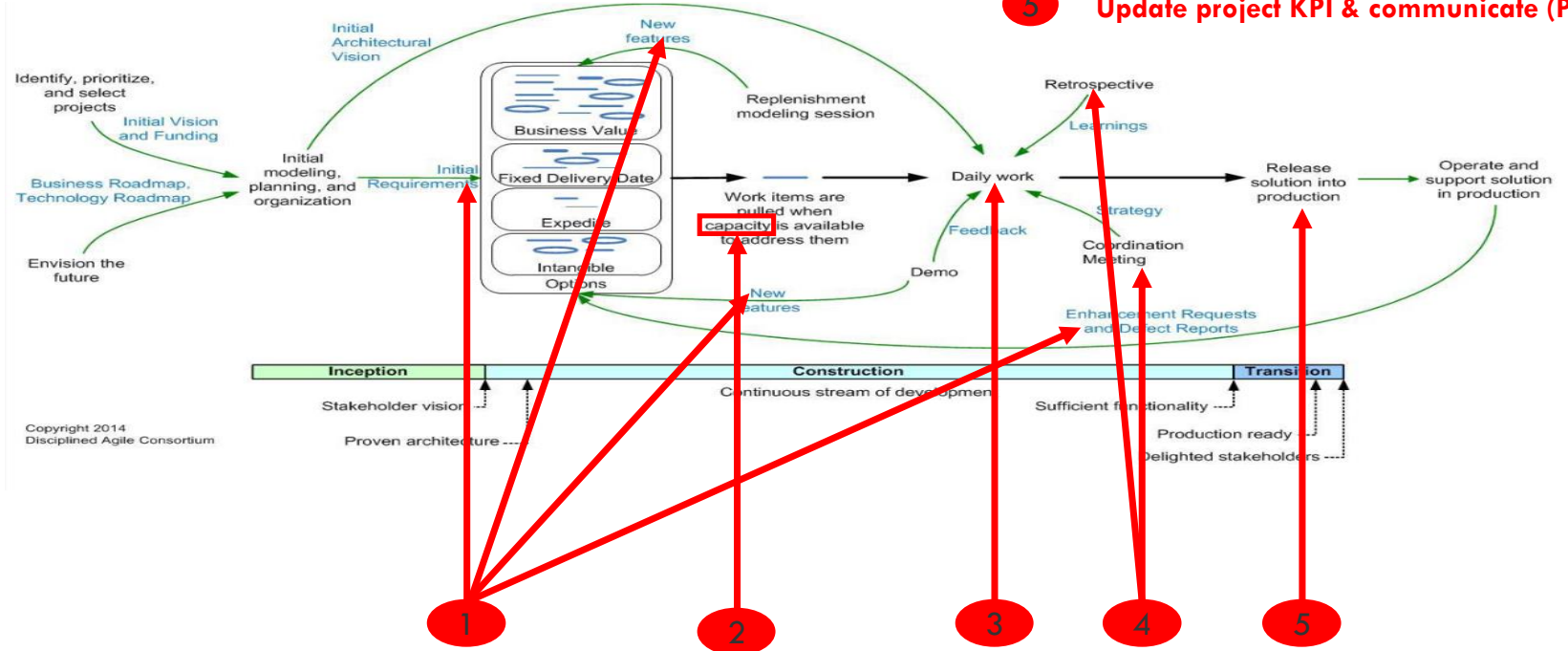
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COSMIC & 'advanced/lean lifecycle' DAD

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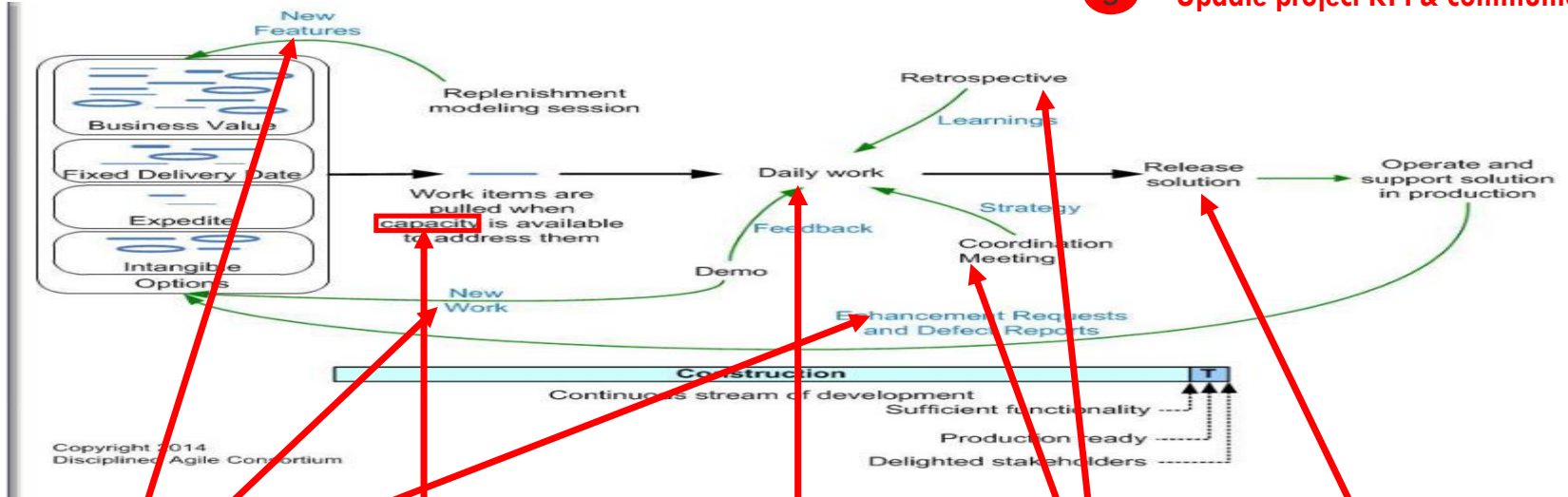
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COSMIC & DAD

'lean continuous delivery lifecycle'

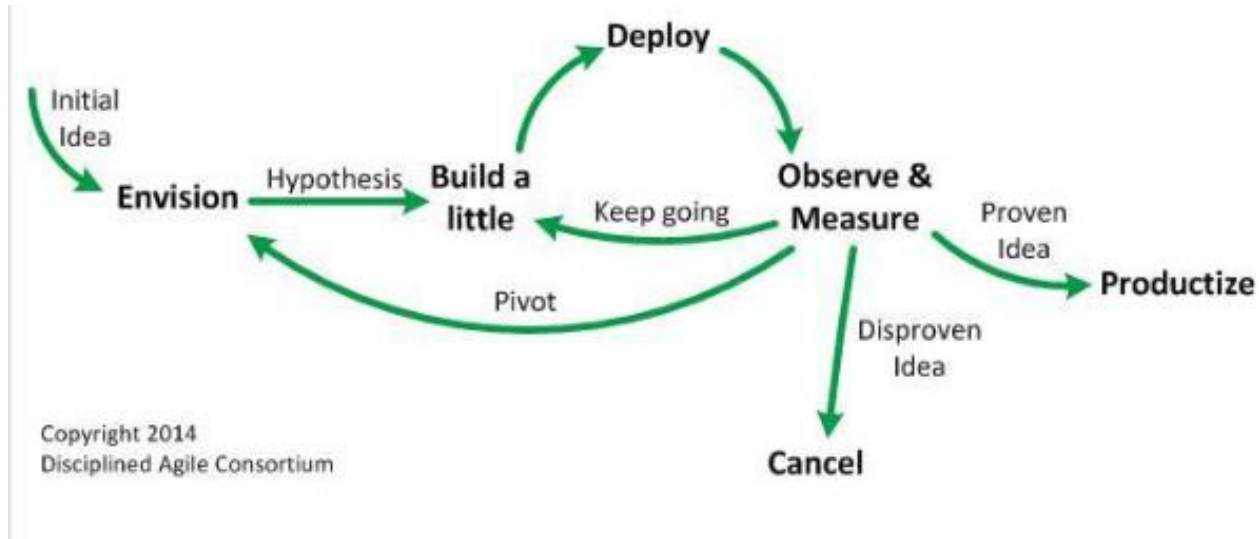
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COSMIC & 'Lean startup lifecycle' DAD



Estimation & R&D = ...?

Questions?

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