

Ten Main Differences between GHG Validation and GHG Verification

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Introduction

Validation and verification: two terms used with respect to third party assessments of GHG emission calculations.

Often used synonymously, but there are important differences. Misuse results in confusion.

The purpose of this presentation is to set out 10 main differences between the two concepts.

This is not intended to be an exhaustive list.

1. Purpose

Validation	Verification
<ul style="list-style-type: none">• Assess calculations of potential GHG emission reductions and removals• Future oriented• What might happen	<ul style="list-style-type: none">• Assess calculations of actual GHG emissions• Past oriented• What has happened• Tip: “you can’t verify the future”

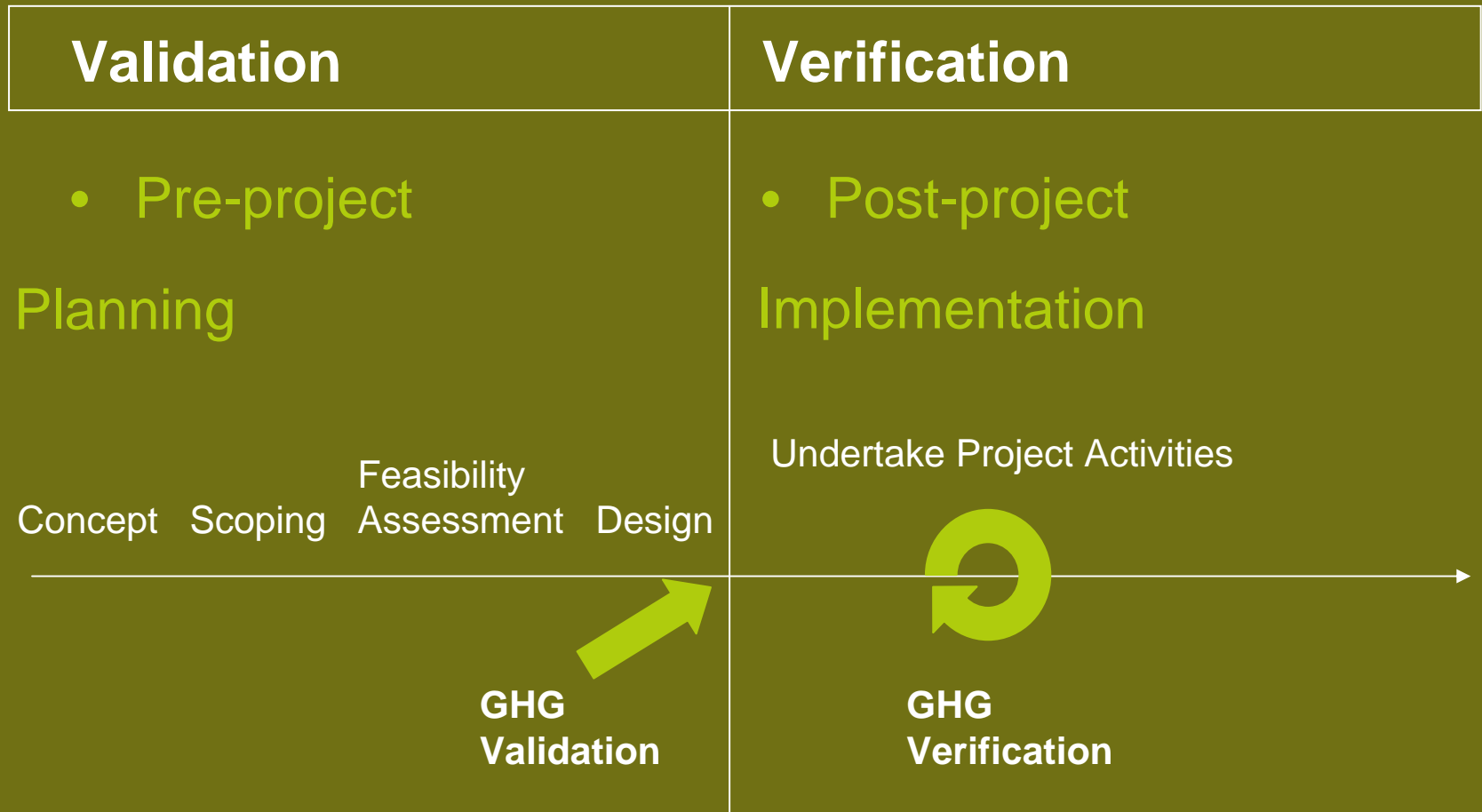
2. Subject matter

Validation	Verification
<ul style="list-style-type: none">• Baseline• Project	<ul style="list-style-type: none">• Emissions data• Conformance to verification criteria

3. Focus

Validation	Verification
<ul style="list-style-type: none">• Project and baseline justification• Underlying assumptions and logic of project	<ul style="list-style-type: none">• Data integrity• Consistency with project plan

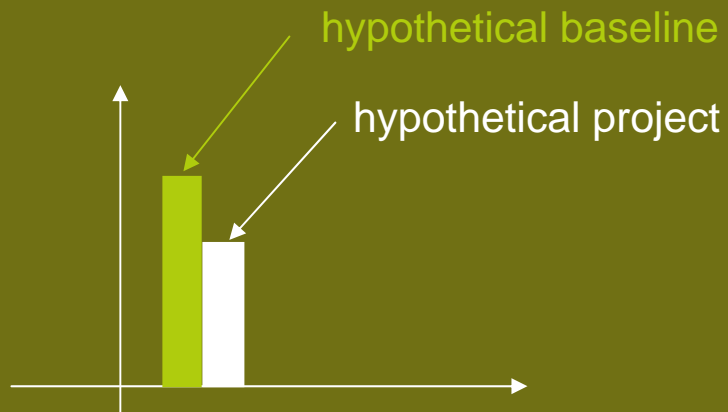
4. Timing



5. Emission values

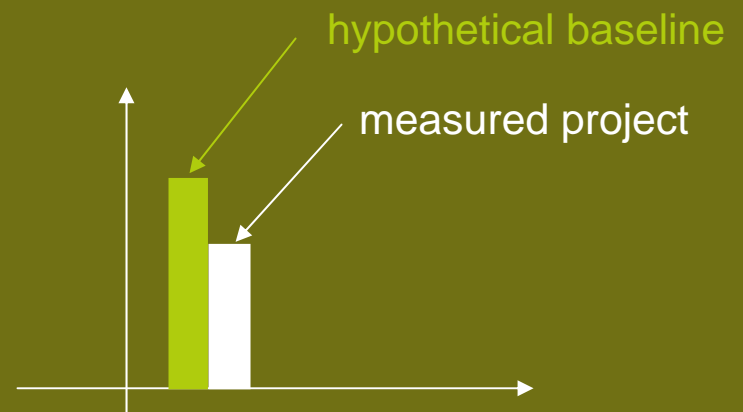
Validation

- Baseline: hypothetical
- Project: hypothetical

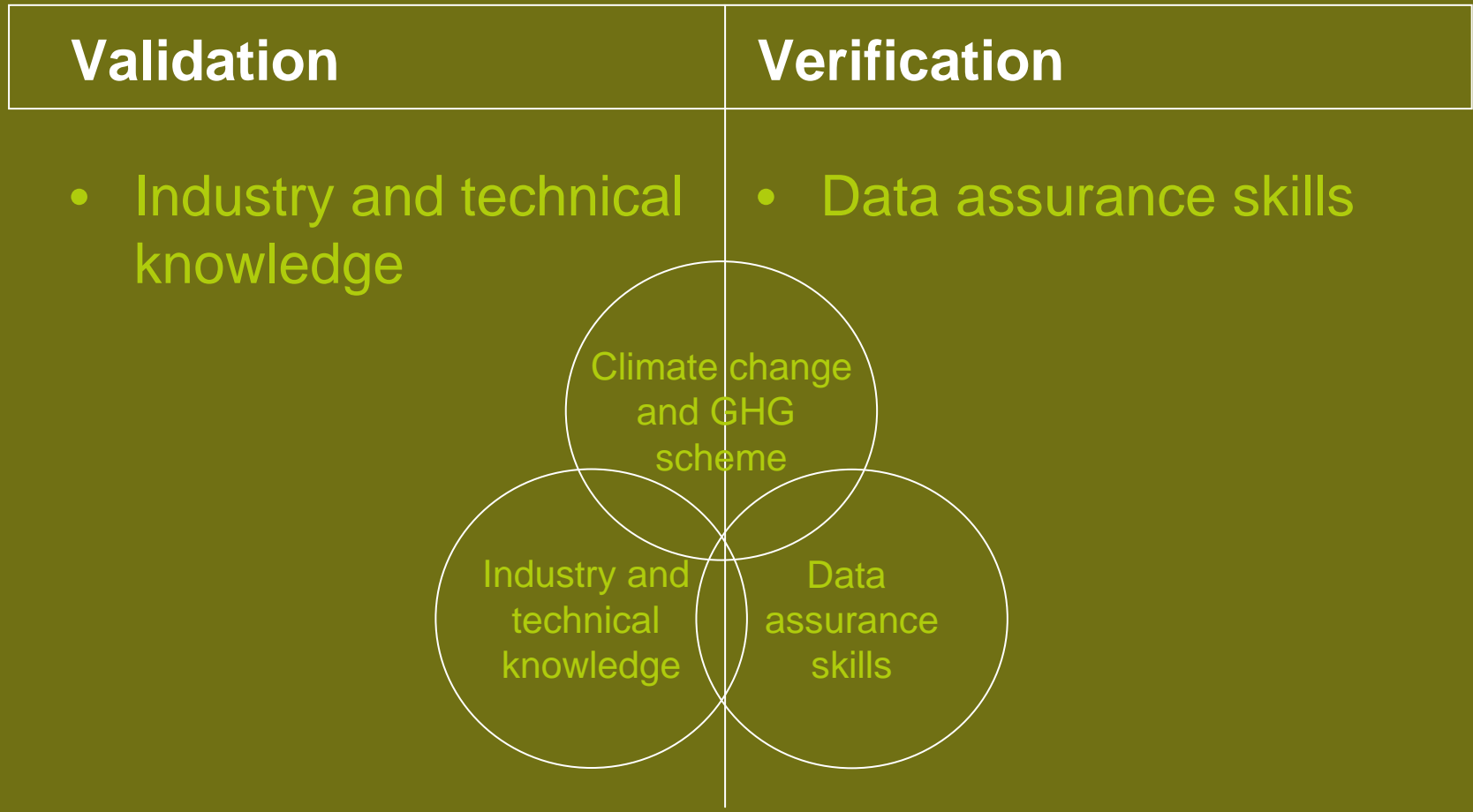


Verification

- Baseline: hypothetical
- Project: measured



6. Practitioners' attributes



7. Information providers

Validation	Verification
<ul style="list-style-type: none">• Project designers and implementers	<ul style="list-style-type: none">• Project operators and maintenance

8. Focus of deliverables

Validation	Verification
<ul style="list-style-type: none"><li>• Adequacy of disclosure	<ul style="list-style-type: none"><li>• Accuracy and completeness of data

9. Level of assurance

Validation	Verification
<ul style="list-style-type: none">• Comfort	<ul style="list-style-type: none">• Reasonable/limited assurance

10. Frequency

Validation	Verification
<ul style="list-style-type: none">• Once	<ul style="list-style-type: none">• Periodically over life of project

Conclusion

GHG validation and verification are related concepts, but there are important differences in terms of:

1. Purpose
2. Subject matter
3. Focus
4. Timing
5. Emission values
6. Practitioners' attributes
7. Information providers
8. Focus of deliverables
9. Level of assurance
10. Frequency

?? QUESTIONS ??

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