assess
learn
implement
bimexcellence.org

the
# BIMe Initiative
an introduction v180118

BLOCKS

FOUNDATIONS

BIM LENSES
BIM FIELDS

TOOLS

Do you know how to...   YES   NO
Show me how to...   YES   NO
Do you want to learn...   YES   NO

WORKFLOWS

BIM ThinkSpace

VIEWS

BIMe
INITIATIVE

# BIMe INITIATIVE

## An Introduction 1180108

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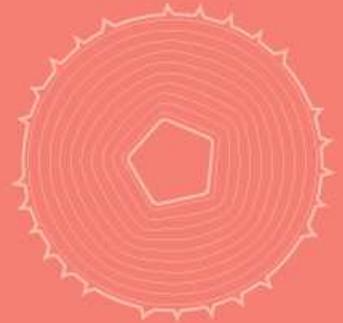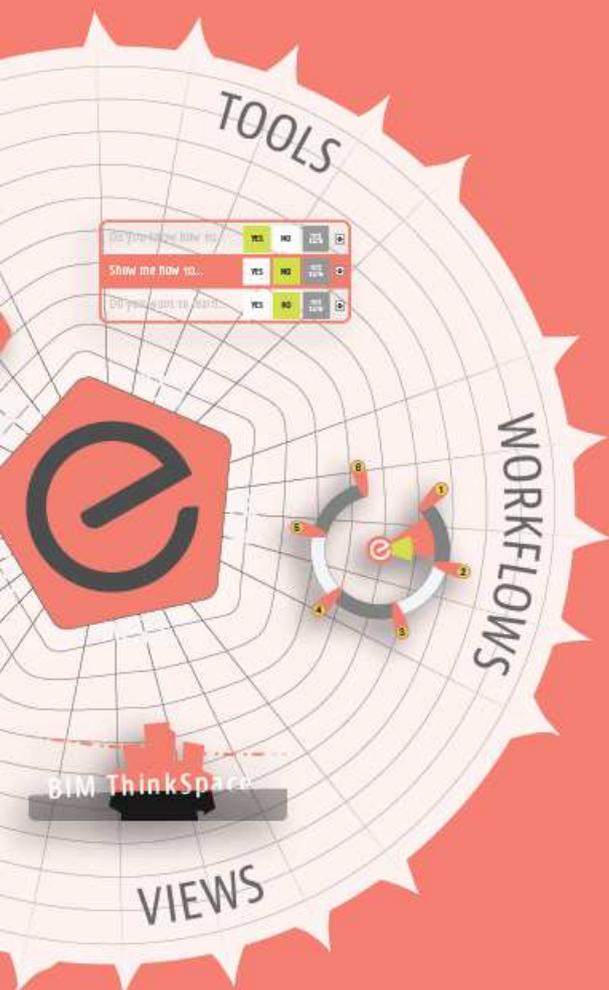
## Introduction

The BIMe Initiative is an international, not-for-profit, community-based effort to improve industry's digital performance. Through high-impact research, free online tools, and open knowledge-sharing under Creative Commons licences, we aim to encourage subject matter experts from across the world to act as a close-knit knowledge community. We also aim to support all international efforts that promote open technologies, processes and policies across borders, languages and disciplines.

The BIMe Initiative is undertaken by committed individuals from both industry and academia. Launched in March 2017, volunteers and sponsors are invited to help us in developing consistent guides and interconnected tools for all to freely use, customise, localise and continuously improve.

## BIMe Initiative Principles

The BIMe Initiative is built upon four General Principles:

→ Commitment to Openness;
→ Grown around a Knowledge Structure;
→ Peer-sourced and Peer-tested; and
→ Open Innovation across boundaries.

Reflecting the above principles – available online in extended form and in 15 languages - the Excellence Manifesto further conveys 21 detailed principles that underlie all BIMe Initiative's activities and deliverables:

Educational **Testable**
**Informed**
Collaborative Tested
**International** Open Honest
Visual Neutral
Structured **Reliable**
Efficient
**Free** Competent **Modular**
Cohesive Respectful
**Practical**
**Equal Innovative**

A growing number of site visitors have signed the manifesto and - by that – signalled their support for the growing international community and its open approach to process innovation.

## Aims and Objectives

The BIMe Initiative aims to improve the performance of individuals, organisations, and project teams through:

→ Developing a **modular language** for digital transformation;
→ Generating international **competency benchmarks**;
→ Releasing **learning** materials covering process integration;
→ Facilitating the **exchange of knowledge** between academia and industry; and
→ Offering free-to-use **tools** and **guides** that simplify decision-making processes and automate repetitive tasks.

When reached, these objectives will assist industry stakeholders to align their abilities with project requirements, improve process efficiency, and reduce digital waste.

## BIMe Initiative Projects

The BIMe Initiative will meet its objectives through a series of interconnected projects, each focusing on delivering either a software application and/or a published guide of direct practical benefit to industry practitioners. The first six projects (A-F) are summarised below:

### A | BIM Dictionary
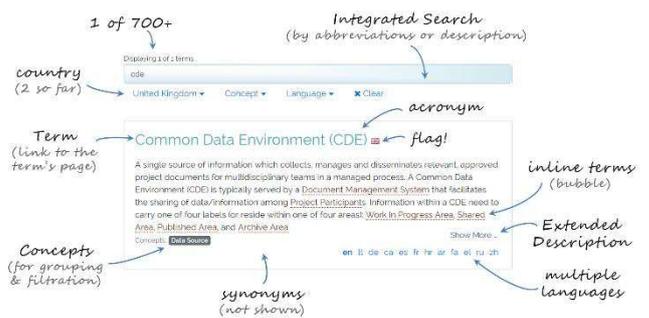


The BIM Dictionary acts as a reference tool for online guides and tools. It provides a *reliable resource* for understanding hundreds of terms through vetted descriptions and translations. The BIM Dictionary has now secured its first institutional sponsor and has been partially translated into 13 languages with another 10 languages scheduled soon.

For Public Sharing

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## B | Knowledge Sharing

This project aims to facilitate knowledge-sharing – through blogs, books and social media - across the wider community.



This project now includes the BIM ThinkSpace blog, BIM Framework Blog, YouTube Channel and a Twitter account. Also, publications and presentations are offered for download at ResearchGate.org and Academia.edu. Through these multiple channels, the BIMe Initiative is able to communicate directly with thousands of followers and subscribers.

## C | Competency Development

The Competency Development project aims to assess and improve the digital competency of individual practitioners across markets.



Benchmarking data is collected through the free BIMe Individual Discovery assessment tool – now completed by thousands of individuals. Data collected (60,000 data points) will be released in the near future to help clarify competency distribution/gaps and where to focus competency development efforts.

## D | Performance Improvement

This project aims to assist organisations in developing their own digital transformation abilities through assessment templates and implementation guides.



For example, the BIM Maturity Matrix (published in 2010, available in six languages) has assisted many organisations in understanding and thus improving their own BIM capability/maturity.

## E | Macro Adoption

This project aims to assist policy makers to develop (or assess) their market-specific macro BIM diffusion policies:
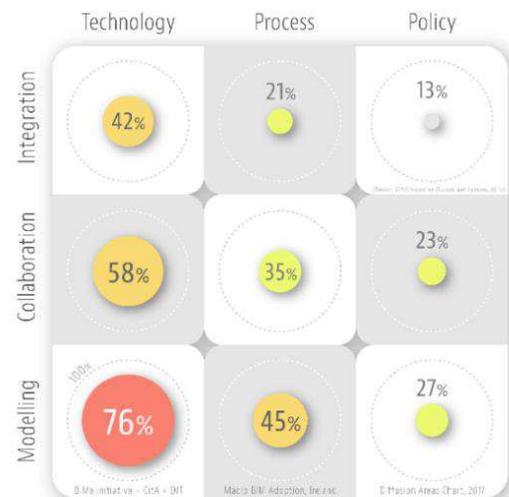


The research underlying this project was used to guide the development of BIM adoption policies in a number of countries including Brazil and Ireland (in collaboration with CITA).

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## F | Integrated Information Platform

This project (new) aims to deliver an intuitive online solution for managing information throughout a project's lifecycle.
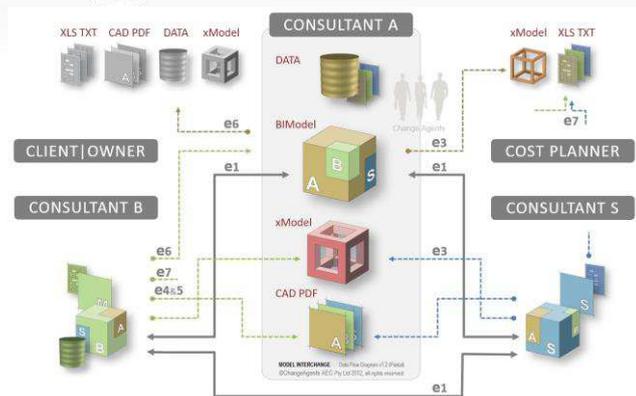


The diagram (above) clarifies different information exchange types and exemplifies how simplified workflows will be developed to guide process improvement.

## BIMe Initiative Resources

BIMe Initiative projects generate deliverables of direct benefit to industry stakeholders. These knowledge resources are organised into 100-900 Series:

→ 100s | Core BIMe Initiative Documents (current list)
→ 200s | Modular Language (e.g. 201in Competency Table)
→ 300s | Tools & Templates (e.g. 301in BIM Maturity Matrix)
→ 600s | Forms (no online examples)
→ 800s | Guides (e.g. 801in BIM Dictionary's Editor Guide)
→ 900s | Memberships & Sponsorships (e.g. 901in BIMe Initiative Sponsorship)

Since launch, published resources have been downloaded hundreds of times and were freely distributed in international industry conferences.

## BIMe Initiative Network

BIMe Initiative projects are undertaken by a combination of members and volunteers, an expanding community of international subject matter experts from both academia and industry. There are currently 12 core members, many membership applicants under review, and around 50 volunteers. A quick review of core members' backgrounds would highlight both the breadth and depth of expertise available within the Initiative.

## Expanding the Benefits

With six projects underway, the Initiative will now focus on expanding the benefits and scaling up the deliverables, so they deliver additional internationally-consistent guides and tools. As per the Excellence Manifesto, all deliverables will continue to be made available for free, and for all to benefit, especially small and medium organisations that have little or no budgets to respond to digital transformation.

As exemplified by the Macro Adoption project, we will also further engage with policy makers in the UK, Europe, the US and China, first, by enlarging the membership base followed by signing additional collaboration agreements with like-minded institutions and groups.

## Volunteering

The BIM Dictionary project is open and is currently accepting new volunteers: Language Editors, UI/UX designers and programmers (Django/Python, MangoDB and JavaScript). Other projects will be opened to outside help gradually and we encourage you to either contact us or follow us on twitter @BIMeInitiative.

## Sponsorship

The BIMe Initiative is managed and financially supported by ChangeAgents AEC which currently covers its operating expenses under its Open Innovation business model. Development efforts are conducted by volunteers who generously provide their time and expertise for free. While many projects do not require substantial financial investment, the development of online tools and learning materials are dependent on securing research grants or institutional/corporate sponsorships.

We have a lot to do and we'd really value your assistance! If your organisation would like to help us achieve our objectives – you can either:

→ Help us secure research grants for specific projects. We will be happy to join grant applications with academic partners anywhere in the world;
→ Become a sponsor and provide either in-kind or financial support (more information provided here); and/or
→ Spread the word and sign the Excellence Manifesto!

To request more information or an online presentation about a specific BIMe Initiative project, please contact us.

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