

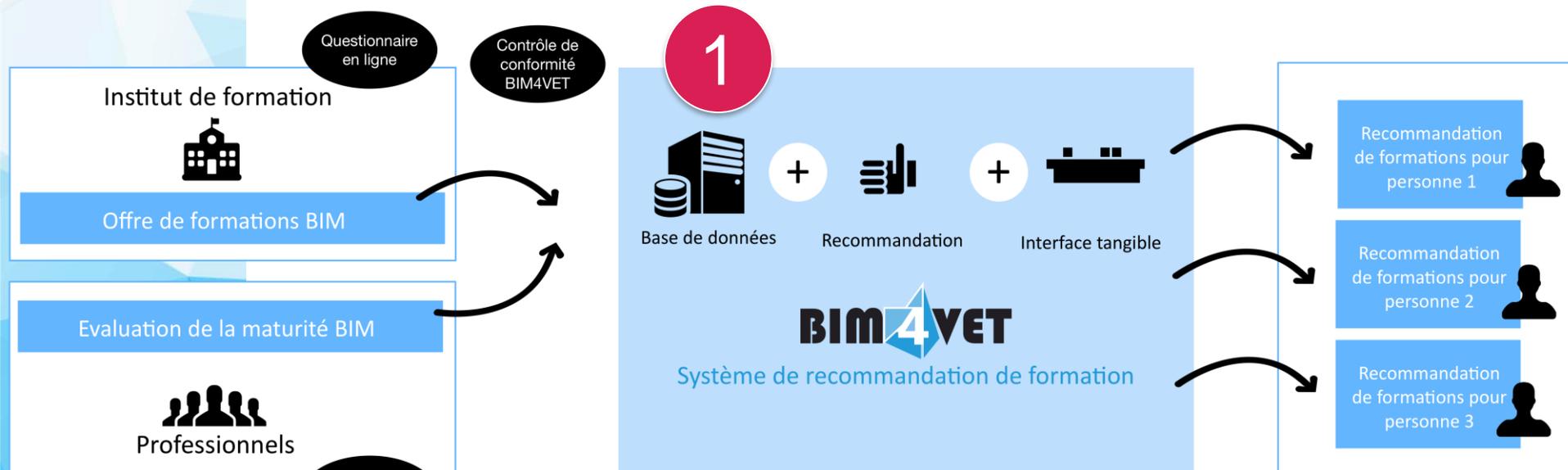
BIM4VET, un outil pour sélectionner des formations BIM

A. Guerriero & N. Mack, LIST ; J-P. Poli, CEA

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Base de données

1

DONNÉES UTILISATEURS



Home Organizations Projects Profile Annie Guerriero

BIM4VET

User Maturity

Update Your Maturity

Overview Completed Courses Roles Responsibilities Competencies

Skills Overview

Name Annie Guerriero

| | |
|----------------------|----|
| Completed Courses | 0 |
| Role Competences | 0 |
| Activity Competences | 25 |
| Competences | 0 |

Update Skills

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Evaluation de la maturité BIM

Professionnels

Questionnaire en ligne



Base de données

1

INVENTAIRE DE LA FORMATION BIM EN EUROPE



- Actuellement, collecte d'informations portant sur une centaine de formations
- Réparties dans 10 pays européens
- Focus, principalement
 - Luxembourg 
 - France 
 - Royaume-Uni 
- Offre couvrant principalement l'initiation au BIM (1 à 3 jours de formation thématique)
- Mais également des mastères BIM (durée d'un an ou plus) portés par des universités ou des grandes écoles

Questionnaire
en ligne

Institut de formation



Offre de formations BIM

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Base de données

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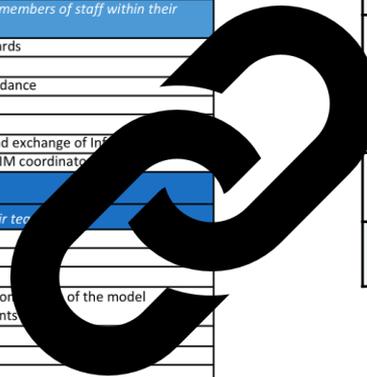
Responsabilités BIM

21/02/201

LIEN ENTRE FORMATION & NIVEAU D'EXPERTISE



| | |
|-----------|--|
| Profile A | BIM author <i>Junior staff who produces design output such as models, drawings, schedules and reports for their team</i> |
| 1 | Refer to the work done by other project team members |
| 2 | Develop & maintain Graphical and Non-graphical models against Project Standards |
| 3 | Prepare model for sharing with internal and external stakeholders |
| 4 | Produce project outputs from graphical and non-graphical models |
| 5 | Revise outputs to incorporate clash resolution - Maintain a continuous interface with the BIM Coordinator - Participate in coordination and BIM technology meetings |
| 6 | Reference of other shared models to ensure design coordination and clash avoidance. |
| 7 | Revise Outputs regarding QA/QC protocols |
| Profile B | Senior BIM author <i>Senior Staff member who produces design outputs as well as supervising junior members of staff within their team</i> |
| 2 | Develop & maintain Graphical and Non-graphical models against Project Standards |
| 4 | Produce project outputs from graphical and non-graphical models |
| 6 | Reference of other shared models to ensure design coordination and clash avoidance |
| 8 | Assist in Maintaining Project Standards |
| 9 | Address immediate software issues and support the upskilling of staff |
| 10 | Remain fully UP TO DATE with Industry good practice around the production and exchange of Information |
| 11 | Help maintain internal CAD standards and workflow by providing feedback to BIM coordinators |
| Profile C | BIM coordinator <i>Staff member who oversees co-ordination and standards compliance within their team</i> |
| 12 | Ensure compliance to project standards |
| 13 | Ensure compliance to corporate standards |
| 14 | Ensure compliance to relevant national and international standards |
| 15 | Coordinate the different BIM author's outputs to ensure the good quality and consistency of the model according to the BIM Project Execution Plan / BIM Protocol / client's requirements |
| 16 | Supervise Clash detection, reporting and resolution |
| 9 | Address immediate software issues and support the upskilling of staff |
| 17 | Ensure implementation of BIM software |
| Profile D | BIM manager <i>Staff member who ensures project co-ordination and standards compliance lead</i> |
| 18 | Define & maintain project standards |
| 19 | Agree software solutions to be implemented |
| 20 | Define project outputs, according to the clients requirement |
| 21 | Create & maintain a coordination programme for delivery |
| 21 | Ensure the implementation of a system to share project information |
| 23 | Lead BIM activities at project level |
| 24 | Assess project team capabilities to comply with project standards |



| Echelle de Dreyfus | |
|--------------------|-----------------|
| 1 | Novice |
| 2 | Débutant avancé |
| 3 | Compétent |
| 4 | Efficace |
| 5 | Expert |

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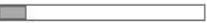
Base de données

1

FORMATIONS BIM

Collecte de données



0%  100%

TRAINING GENERAL INFORMATION

★ Title

Établir un système d'échanges interopérable

★ Description

Jour 1:
Introduction au format IFC
Structuration de l'IFC
Produits industriels
Jour 2:
BIM en phase de conception

★ Language

Choose one of the following answers

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21/02/2018



Base de données

1

FORMATION BIM

Collecte de données



BIM RESPONSIBILITIES LEVEL

Responsibility Level for **Établir un système d'échanges interopérable**

Please specify the BIM responsibility level from 1 to 5:

1. Novice
2. Advanced beginner
3. Competent
4. Proficient
5. Expert

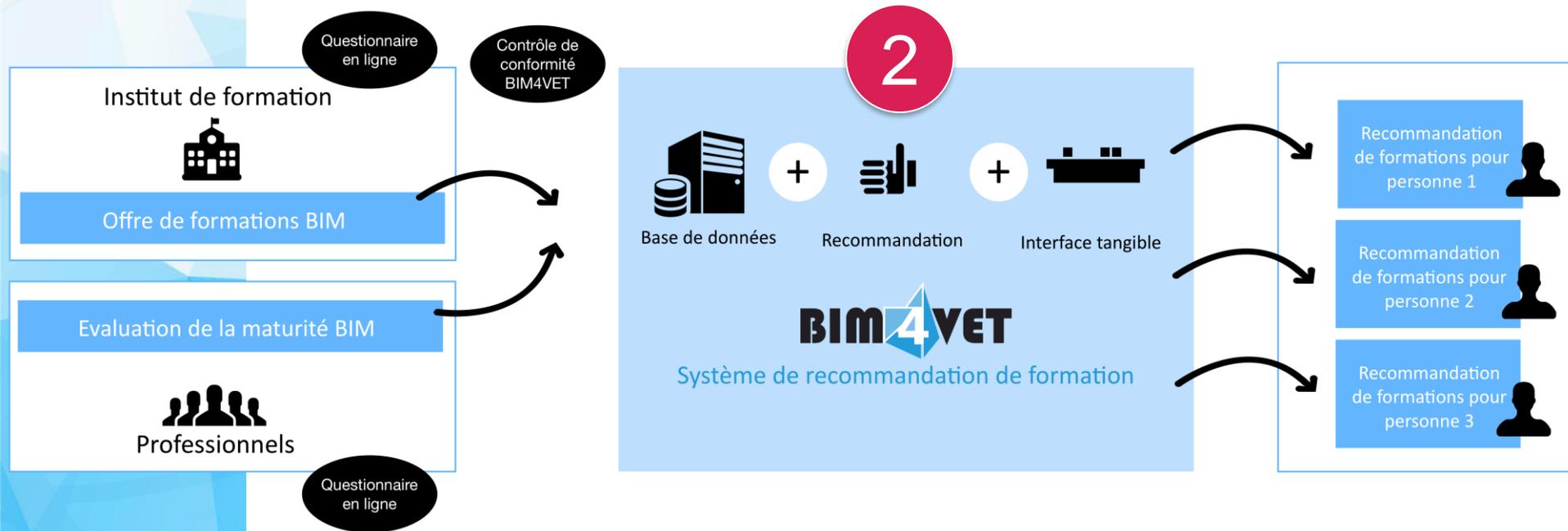
| | Prerequisite | | | | | | Learning outcome | | | | | | No answer |
|---|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Refer to the work done by other project team members | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Develop & maintain Graphical and Non-graphical models against Project Standards | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| Prepare model for sharing with internal and external stakeholders | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Produce project outputs from graphical and non-graphical models | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

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Recommandation

2

INTELLIGENCE ARTIFICIELLE

Et la recommandation

- Enjeu majeur aujourd'hui dans beaucoup de domaines
- Application directe au e-commerce

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Recommandation

2

INTELLIGENCE ARTIFICIELLE

Et la recommandation

- Recommandation basée sur les produits
 - Analyse du panier d'achat
 - Suggestions de produits liés
- Recommandation basée sur l'utilisateur
 - Analyse de l'historique
 - Détermination d'un profil
 - Suggestion selon les profils similaires
- Nécessite des données, du temps de calcul



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Recommandation

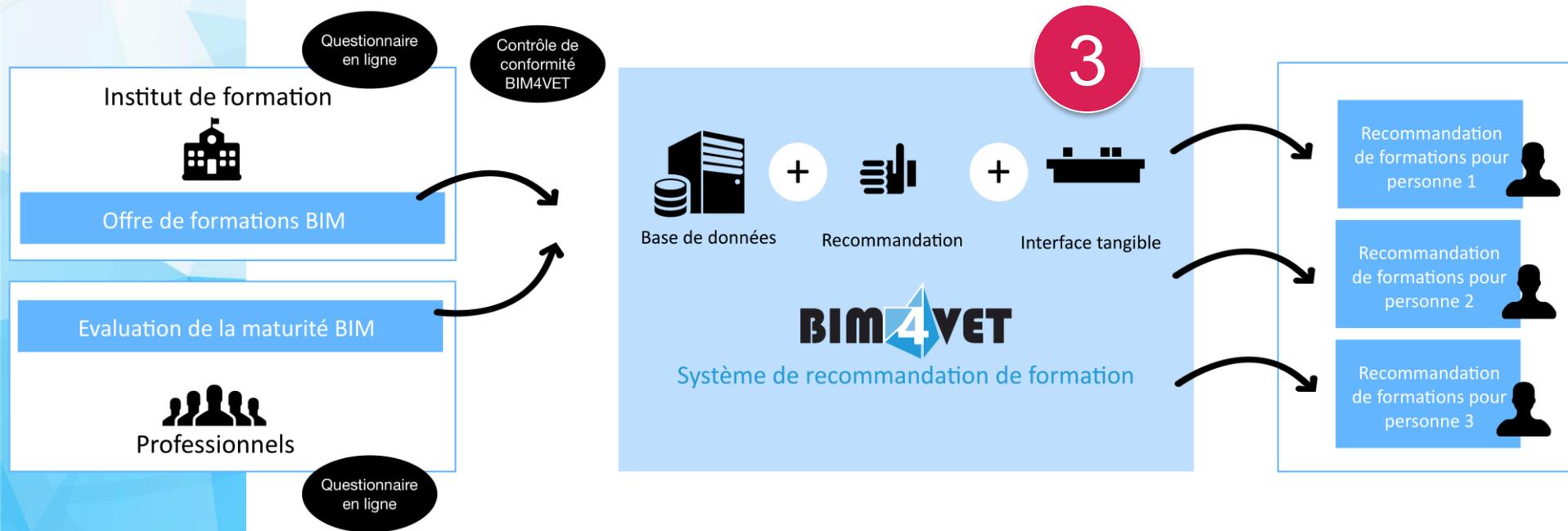
2

INTELLIGENCE ARTIFICIELLE

Et la recommandation



- Recommandation de formations
 - Démarrage à froid
 - Peu de données (informations locales)
 - Peu de temps de calcul
- Recommandation de sens commun
 - Le raisonnement de sens commun est un challenge en IA
- ExpressIF™ : une IA explicative qui reproduit le raisonnement humain
- Plus les compétences *satisfont* les prérequis et la formation *apporte quelque chose* au projet professionnel, plus la formation sera recommandée





PHYGITAL



Contraction entre les mots physique et digital

- Terme apparu en 2013 dans le domaine du Marketing

Interface tangible

3

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PHYGITAL

Contraction entre les mots physique et digital



Interface tangible

3

- Terme apparu en 2013 dans le domaine du Marketing



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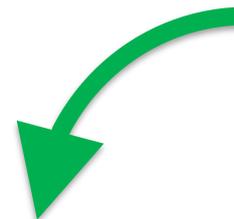


Interface tangible

3

LE COTE (PUREMENT) DIGITAL

Collecte des données



**Catalogue des
compétences et
formations**



**Institutions
de formation**

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LE COTE (PUREMENT) DIGITAL

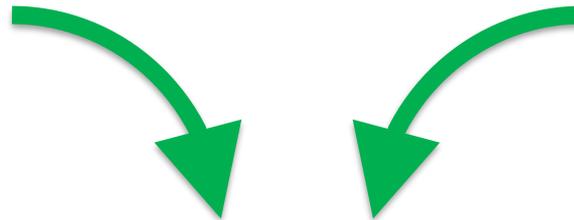
Collecte des données

Interface tangible

3



**Acteurs de la
construction**



**Catalogue des
compétences et
formations**



**Institutions
de formation**

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Erasmus+

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LE COTE (TOUJOURS) DIGITAL

Recherche de formations

Interface tangible

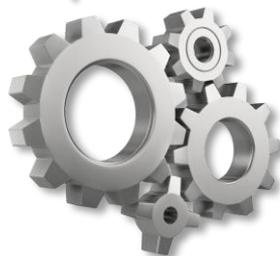
3



Critères de recherches



Moteurs de recommandations



Catalogue des compétences et formations



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LE COTE (TOUJOURS) DIGITAL

Recherche de formations

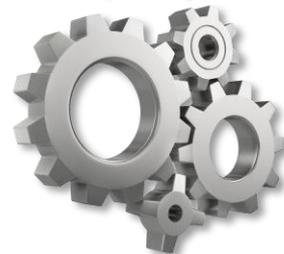
Interface tangible

3

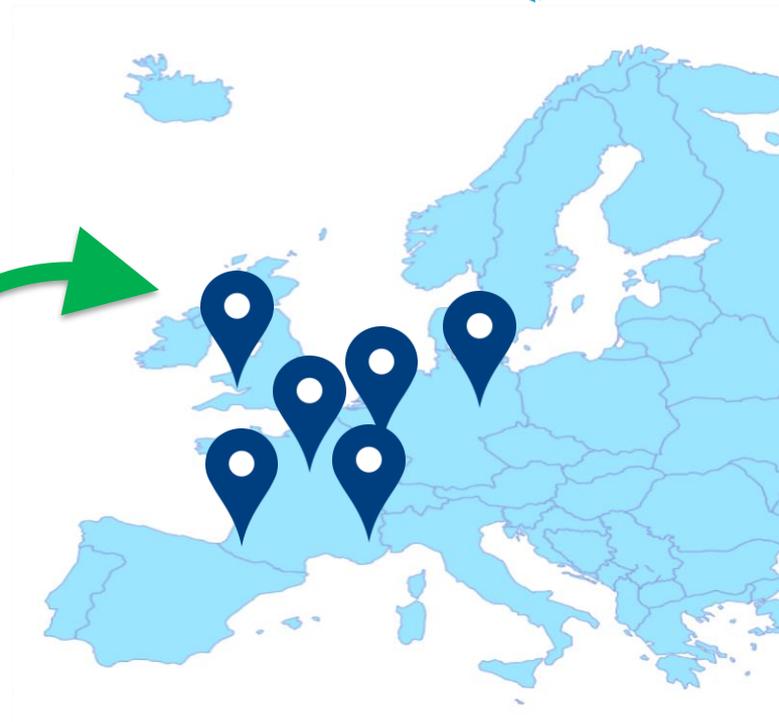


Critères de recherches

Moteur de recommandations



Catalogue des compétences et formations



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LE COTE PLUS PHYSIQUE

Interface naturelle et collaborative



Interface tangible

3





OBJETS TANGIBLES

Représentation iconique en 3D



Interface tangible

3





INTERFACE NATURELLE



Déstructuration de l'interface utilisateur

Interface tangible

3



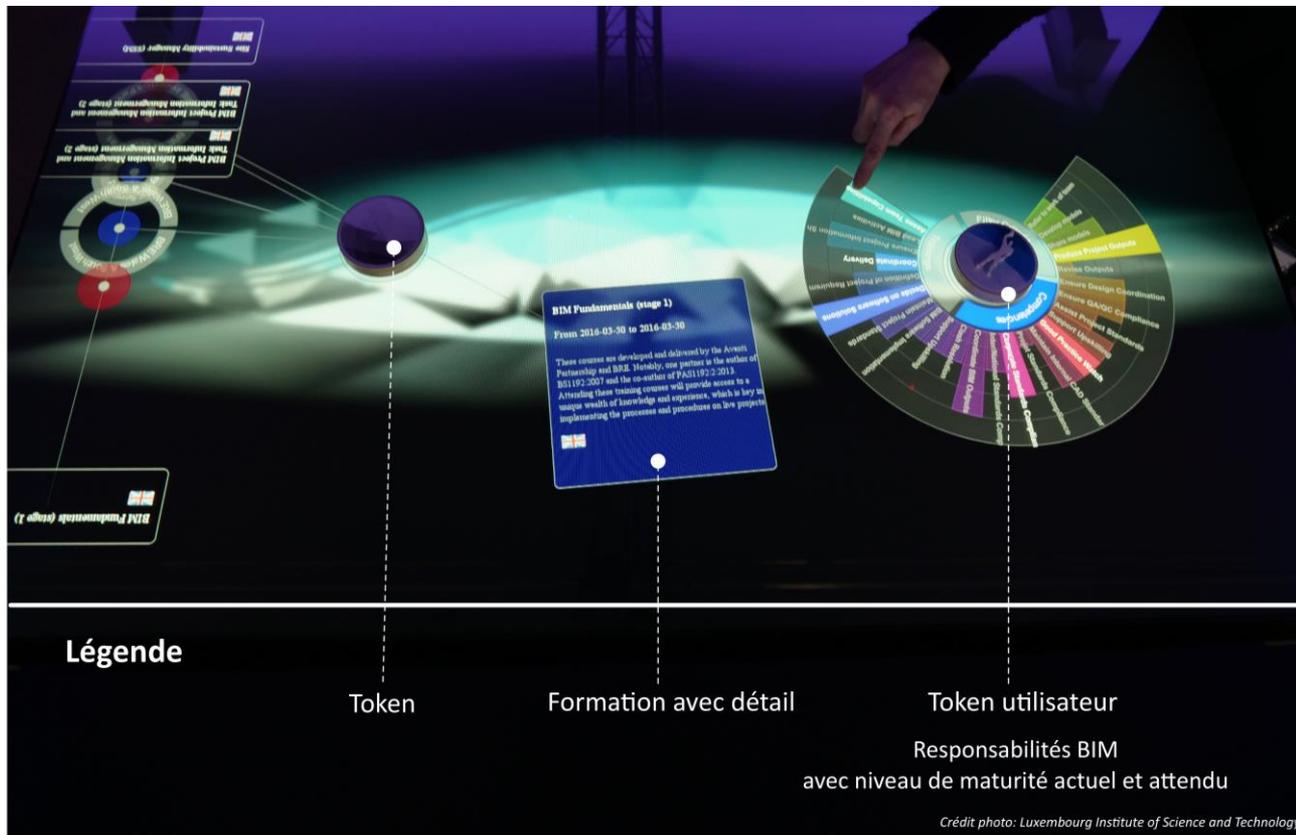


APPLICATION BIM4VET



Interface tangible

3



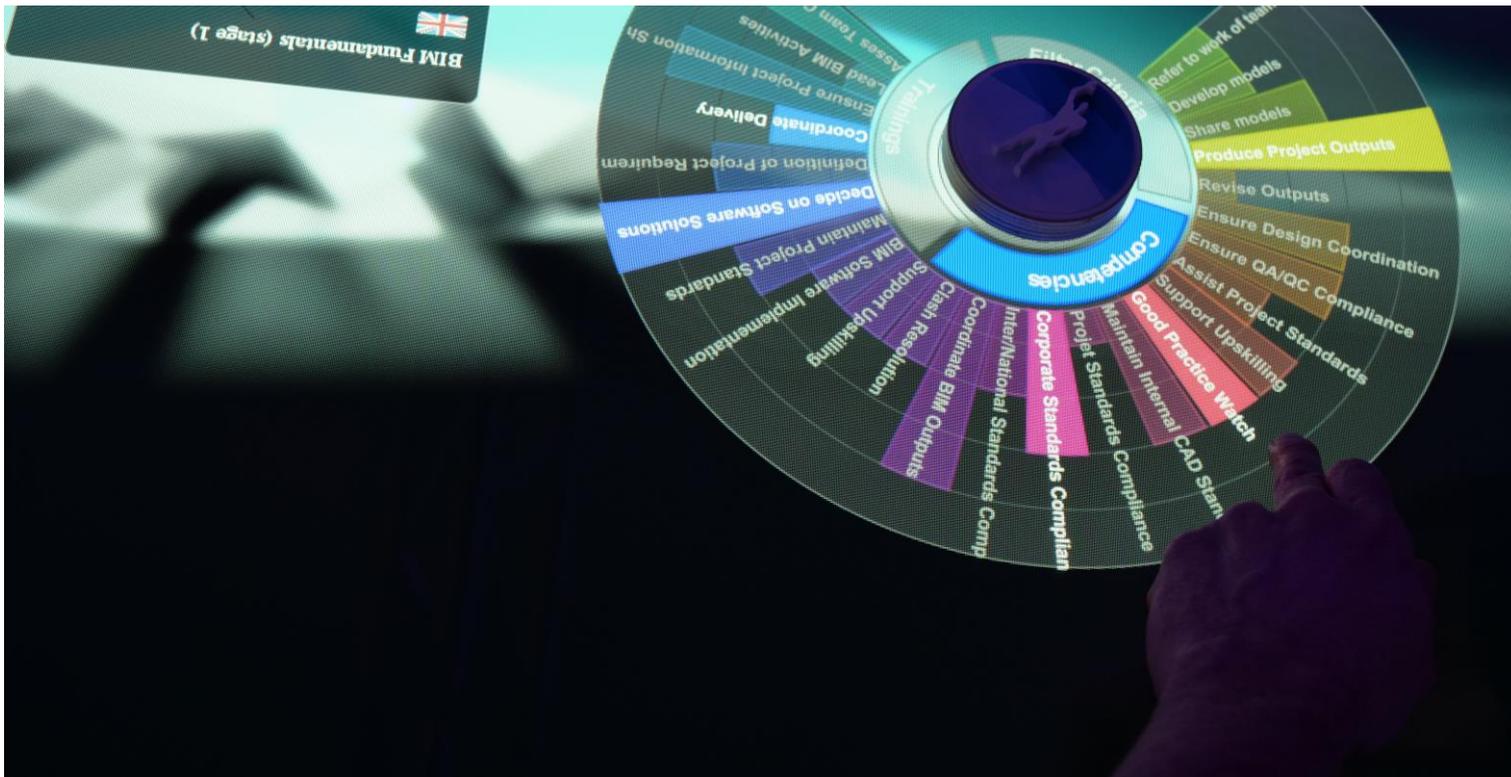


APPLICATION BIM4VET



Interface tangible

3





APPLICATION BIM4VET



Interface tangible

3



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DURANT LE LUNCH



Interface tangible

3



Découvrez notre outil en démonstration sur la table tangible à gauche de la scène.

Merci pour votre attention

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