

Presentation



- **ONLINE**
Construction Information System

Bringing all information together
in one system

- **April 2010**

INTRODUCTION

History STABU Foundation

- 1976 Start by government, architects, engineers and construction industry
- 1986 National specification system on paper (80 booklets)
- 1990 STABU²-edition relational database (floppy disc, cd, dvd) combination with governmental specification system
- 2010 online Construction Information system

Softwarepartners

- Link with:
 - Existing specification programs;
 - Existing costs and estimating programs;
 - Existing CAD-programs;
 - Existing planning programs;
 - Existing spreadsheets (for example use of energy);
 - Facility management programs.

Softwarepartners

- Link with purchasing programs;
- Condition measurement;
- Link with future programs (stand-alone, online) for example 'List of demands', first design etc.

Exploitation agreement with software houses and licence agreement with users

Board of Directors

Government

Architects /
Advisors

Building
contractors

Electric
Building
contractors

Suppliers



Rijksgebouwendienst
Ministerie van Volkshuisvesting,
Ruimtelijke Ordening en Milieubeheer



Defensie



Vereniging van
Nederlandse Gemeenten

aedes

vereniging van woningcorporaties



STABU

MARKET DEVELOPMENTS

Developments in the Dutch construction industry

- Climate and use of energy
- Running a business in a socially responsible manner
- ICT Standards
- Education and knowledge
- Tendering professionally
- End user orientation
- Chain of integration
- Quality and guarantee
- Transparency and integrity
- High standard communication



Developments in the Dutch construction industry

- Climate and use of energy:
 - Link between specifications and adopting building materials and its LCA values;
 - Specification conditions regarding new isolation techniques, heat storage systems and low-energy houses;
 - Stimulate the use of building information models (BIM).

Contribution of STABU

- Running a business in a socially responsible manner:
 - Life span vision: total costs concerning the complete life span of a building; keeping costs as low as possible with a better information structure for links with costs, facility management and companion budgets.
 - Information about durable purchasing, practical translation in specifications from cradle-to-cradle innovation programme of SenterNovem.
 - Applying not just “lowest price” but also other means of tendering like granting values.

Contribution of STABU

- ICT Standards:
 - Let market parties communicate online, by construction information system online and by using Project Information Management system (PIM);
 - Linking the online construction informations system with BIM technology;
 - Making available and linking with IFD library for buildingSMART.

Contribution of STABU

- Education and knowledge:
 - Developing knowledge system regarding codes and legislation; using practical knowledge of experienced partners in the building industry and make available tuned to modern times.
 - Technical background information of third parties and STABU, making accessible via the online construction information system.
 - Developing new courses on market demand;
 - Making available existing and new courses online (elearning).

Contribution of STABU

- Tendering professionally:
 - Knowledge system regarding codes and legislation;
 - Publication “Guideline contract agreements” and a course on this subject;
 - To combine new contract agreements with specifications.

Contribution of STABU

- End user orientation:
 - Support “Building conceptual” and “Living Building Concept” by placing the end user in the middle, which offers the chain in a fixed combination of integrated solutions;
 - Draw up service contracts for future adjustments.

Contribution of STABU

- Chain of integration:
 - Integration of knowledge and systems in the chain of designers, builders and suppliers to give the building process quality and efficiency and to reduce the costs of unplanned errors.
 - Information and courses on this subject.

Contribution of STABU

- Quality and guarantee:
 - Support existing and new quality documents for building materials;
 - Support benchmarking on checklists on delivery;
 - Support past-performance system;
 - Support risk management system.

Contribution of STABU

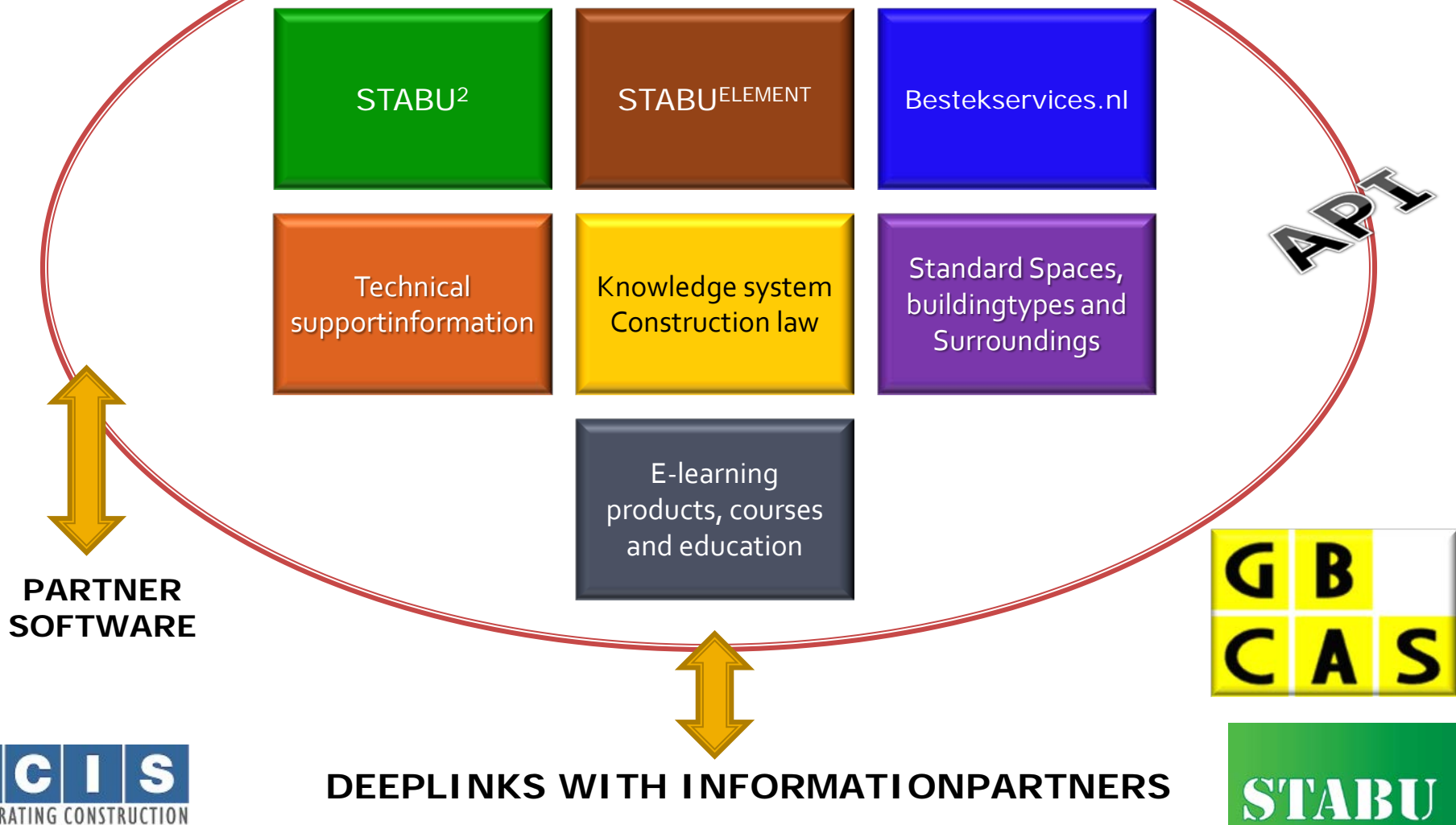
- Transparency and integrity:
 - Using the system to make transparency possible concerning making agreements and keeping them.
 - Supporting the new code of conduct “Stichting Beoordeling Integriteit Bouwnijverheid” en “Gedragscode Leidende principes” in publications, education and information.

Contribution of STABU

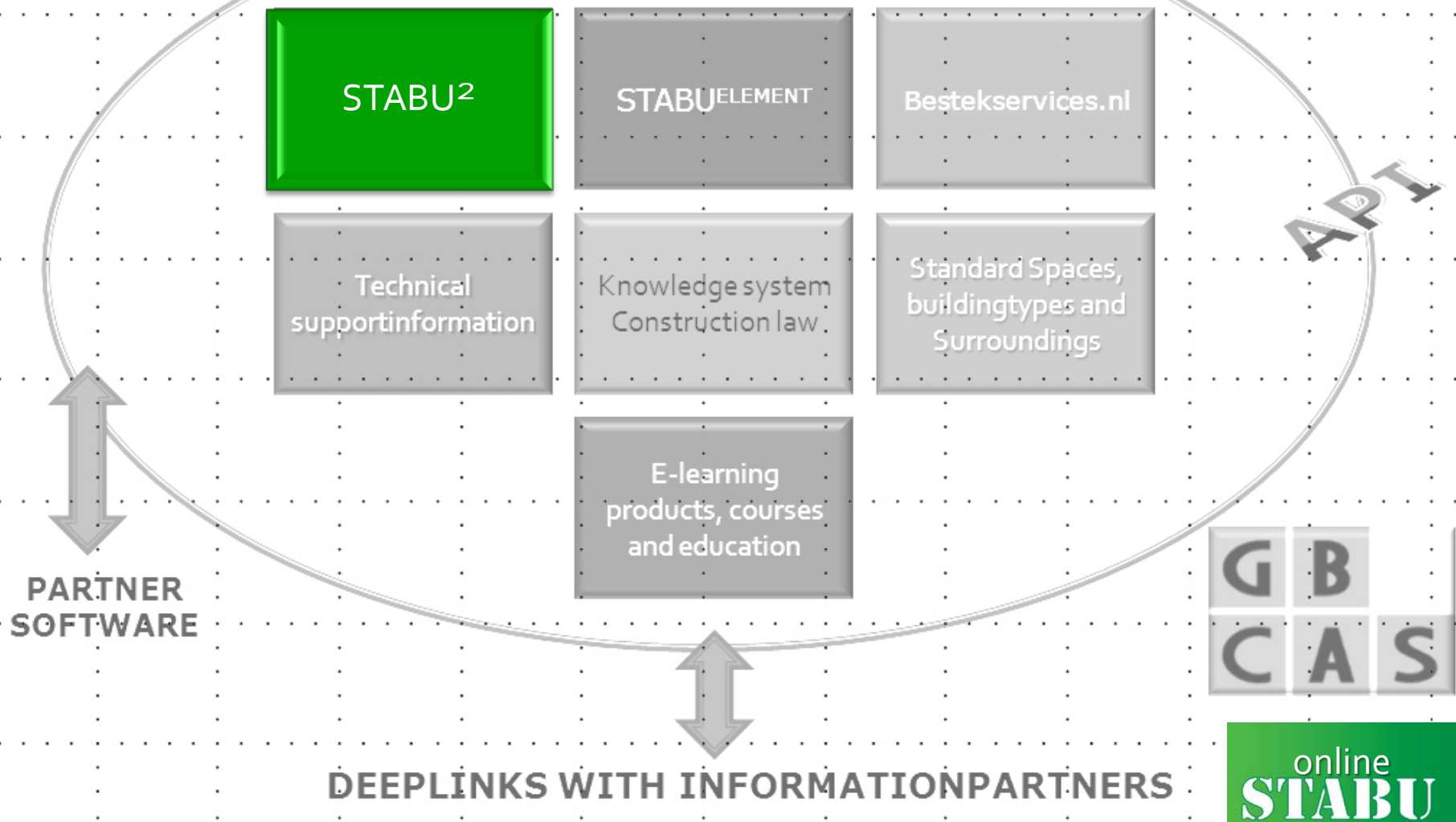
- High standard communication:
 - Task of STABU by developing the online construction information system by means of information, websites, publications and courses.

DEVELOPMENTS STABU

Online Construction Information System



Online Construction Information System



Online Construction Information System



STABU²



- Database with 9563 specifications
 - ✓ 3800 manufacturers product specifications;
 - ✓ 650 Dutch and European Standards
 - ✓ 402 quality certificates CUR, ISSO;
 - ✓ STABU-Standaard;
 - ✓ Other publications.
- Related with national standard contracts UAV, UAVgc, AVA, UAVTI, ALIB.
- Covering 50% total turnover Dutch construction industry (80 billion euros)

NEN



Online Construction Information System

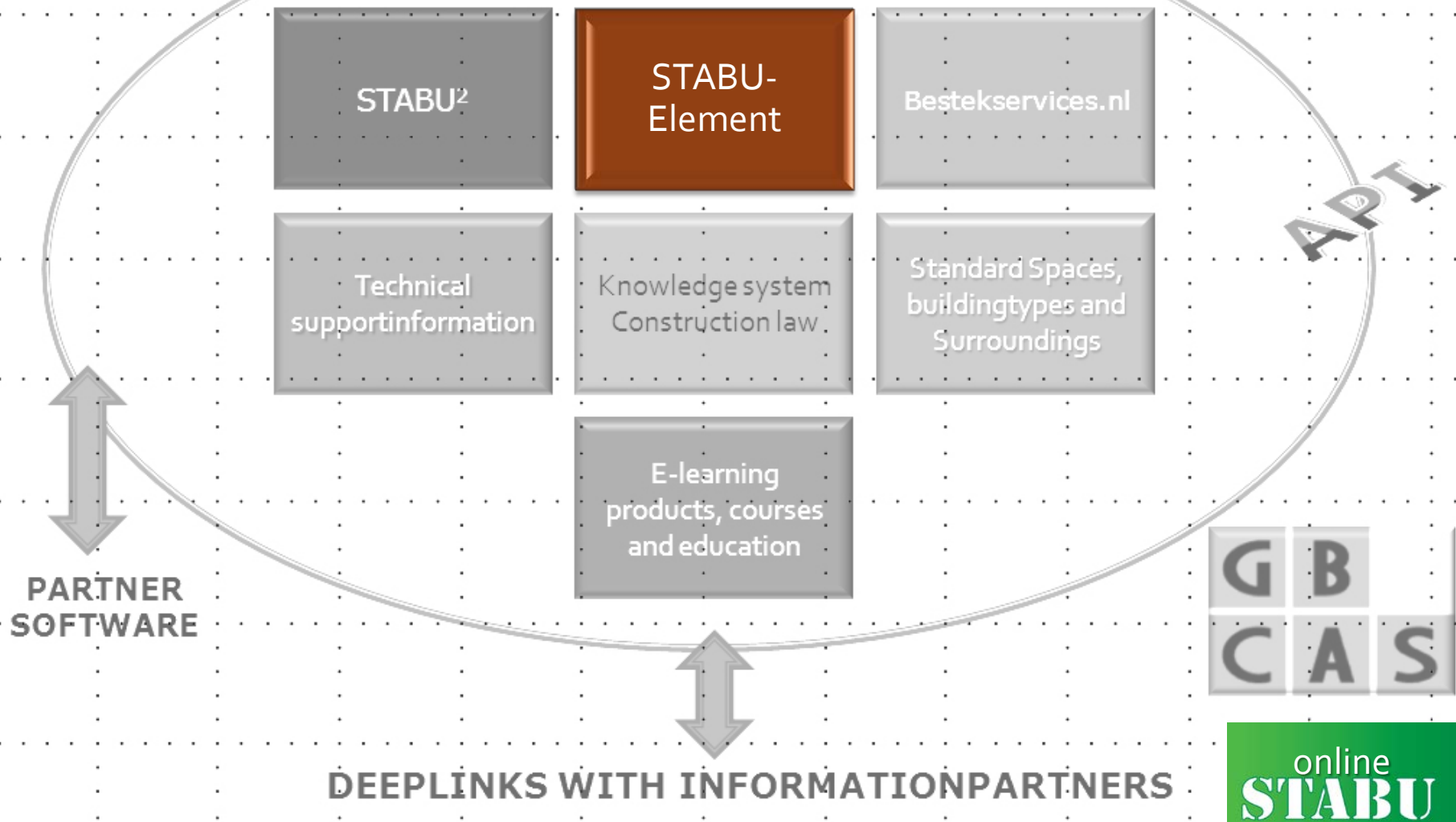
STABU²

- New developments specifications related with LCA values standards, contracts etc.
- Deeplinks with knowledge systems regarding codes and legislation.
- Deeplinks to Bris (National Building Code system).



online
STABU

Online Construction Information System



Online Construction Information System

A brown rectangular button with a slight 3D effect and a thin white border. The text "STABU-Element" is written in white, sans-serif font in the center.

STABU-Element

- Connection between Elements and STABU²-system.
- Including:
 - detailed Elements + STAGG to building-parts and building-parts-component;
 - all relevant links with STABU²-specs;
 - Two divisions: existing buildings and new buildings.



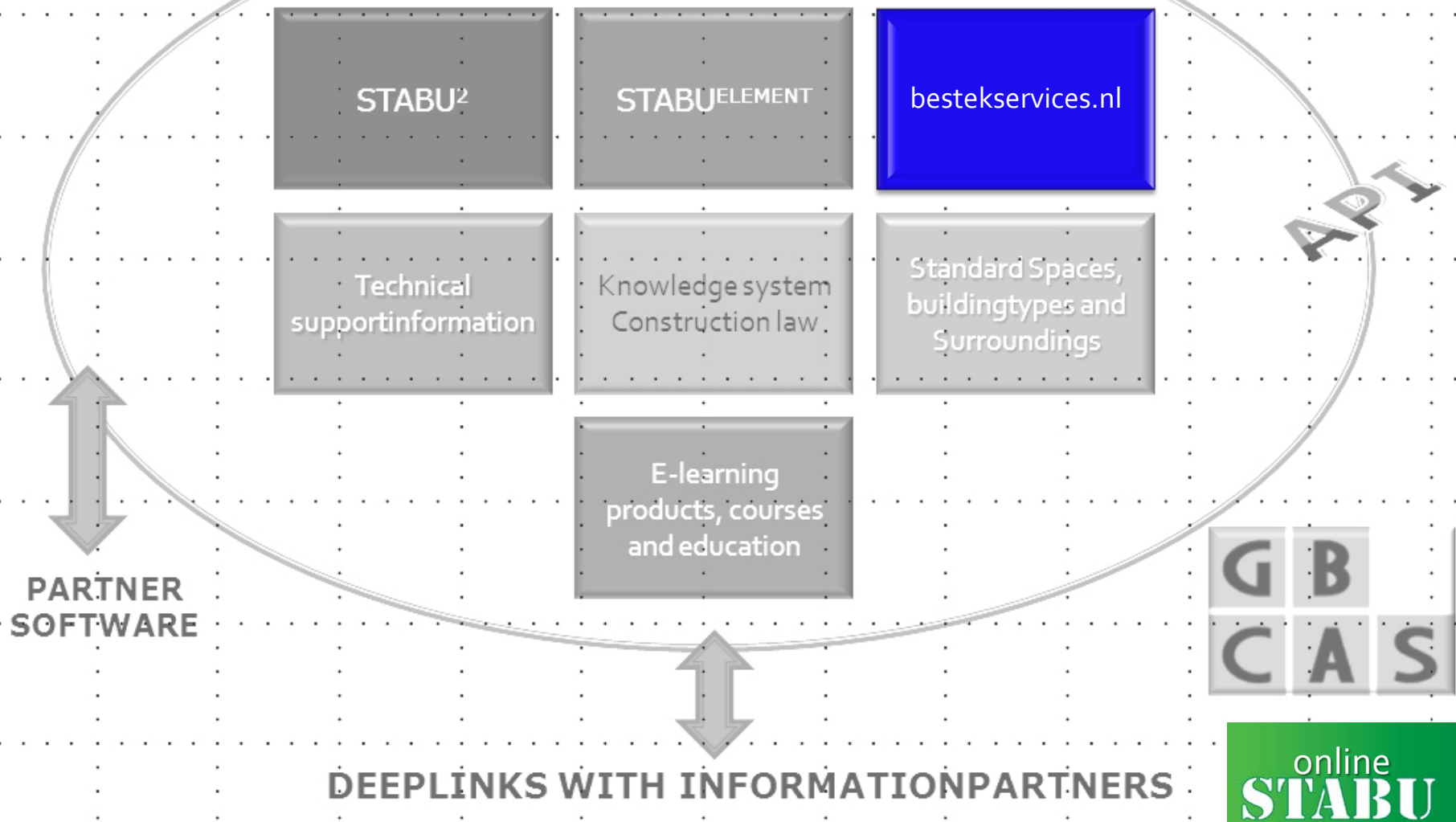
Online Construction Information System



STABU-Element

- Extension in 2011 with performance specs on the level of :
 - elementgroups;
 - elements;
 - variantelementgroups;
 - variantelements;
 - building parts;
 - building parts components.
- Deeplinking to technical information
- Deeplinks to knowledge system regarding codes and legislation.
- Deeplinks to Bris.

Online Construction Information System



Online Construction Information System

bestekservices.nl

- 3800 specifications of 776 manufacturers/suppliers in **STABU²** format and 262 specification services of:

STABU FPS



DE TWEESNOEKEN AUTOMATISERING

- Covering between 400,000 – 500,000 building products

- www.bestekservices.nl



Bestekservices.nl is een dienst van de Nederlandse Vereniging van Bouwbedrijven (NBB) en de Nederlandse Vereniging van Aannemers (NVA). De dienst is bedoeld voor de bouwsector en kan niet worden gebruikt voor andere doeleinden. Het gebruik van de dienst is onderworpen aan de voorwaarden van de NBB en de NVA.

STABU STABU FPS NVA ifbs
de grootste Zoekmachine voor bouw Nederland

ICIS
INTEGRATING CONSTRUCTION

online
STABU



Online Construction Information System

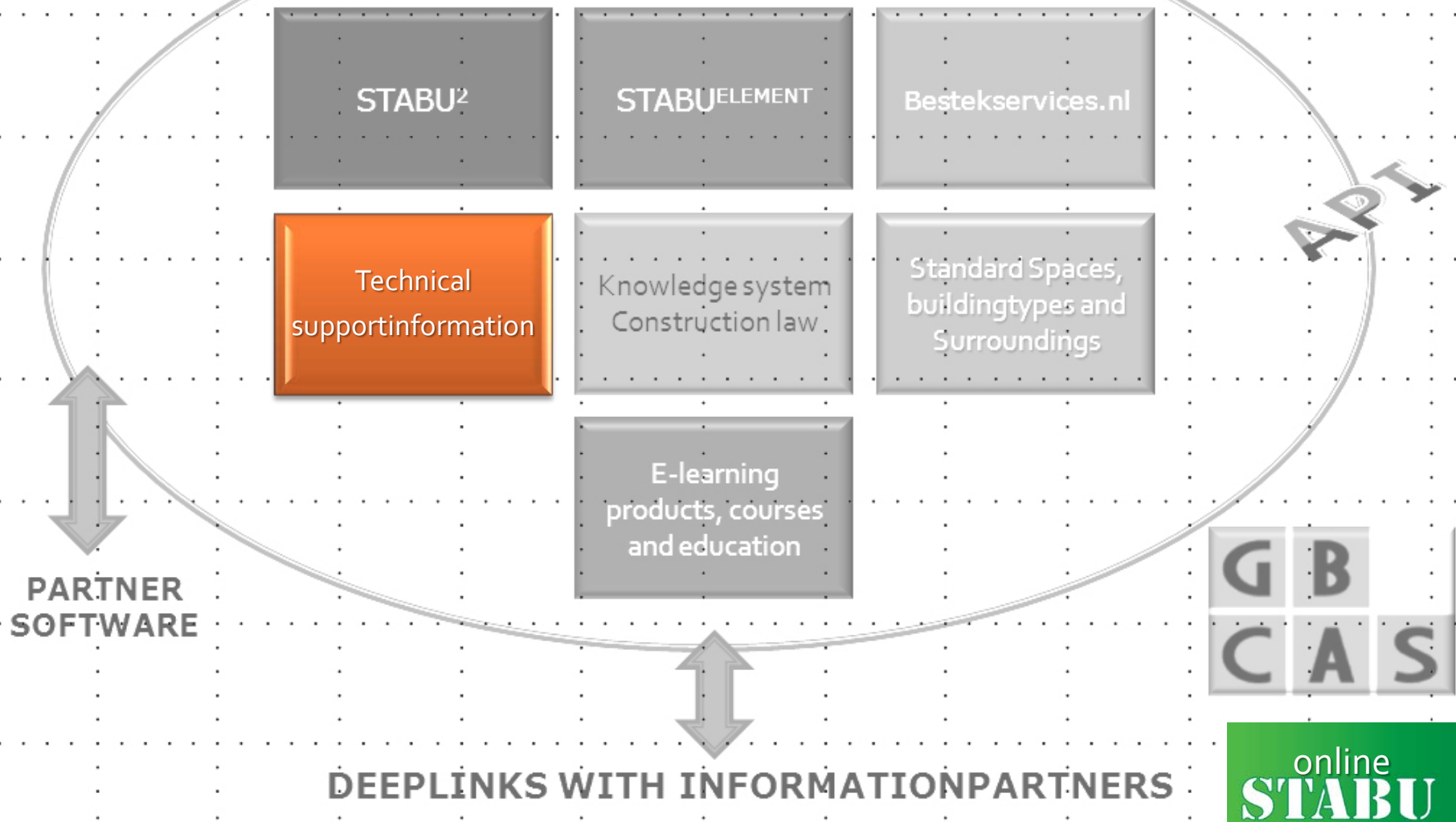


bestekservices.nl

Next steps:

- Selling webaddresses (URL) to manufacturers for connection from their websites
- New functionalities from STABU-Element and connections to product information
- What the clients wants more.

Online Construction Information System

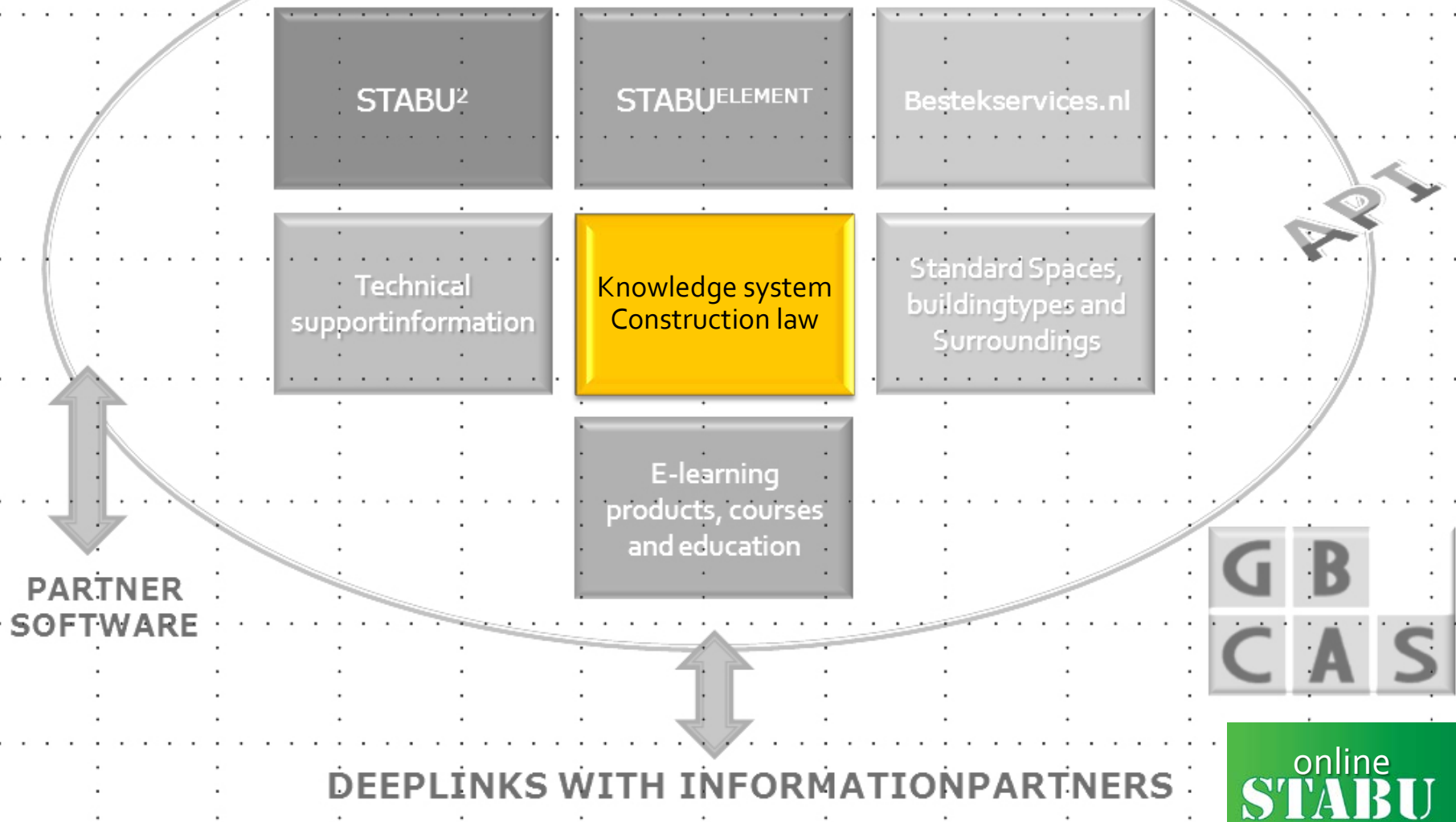


Online Construction Information System

Technical
support information

- Deeplinks to all relevant technical information including:
 - STABU-Standaard;
 - Help information, National and European Standards, Quality documents etc.

Online Construction Information System



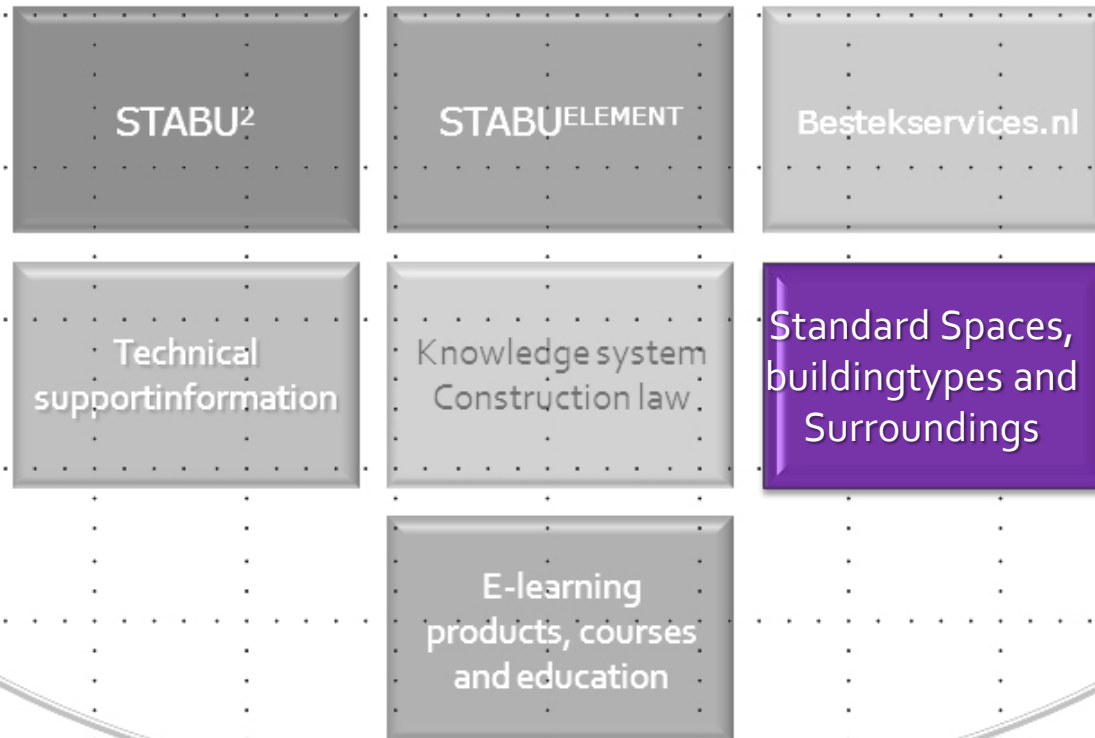
Online Construction Information System

Knowledge
system
Construction law



- Knowledge system regarding codes and legislation
- Information transfer from experienced people into Wiki system
- Quality check by the National Institute of Building Codes
- Standard contracts and all relevant deeplinks with STABU².

Online Construction Information System



API

PARTNER SOFTWARE



DEEPLINKS WITH INFORMATION PARTNERS

online
STABU

Online Construction Information System

Standard Spaces,
buildingtypes and
Surroundings

New development
STABU Standard for buildings,
building types, rooms, etc.
(relational database)

Start up with three partners:



Rijksgebouwendienst
Ministerie van Volkshuisvesting,
Ruimtelijke Ordening en Milieubeheer

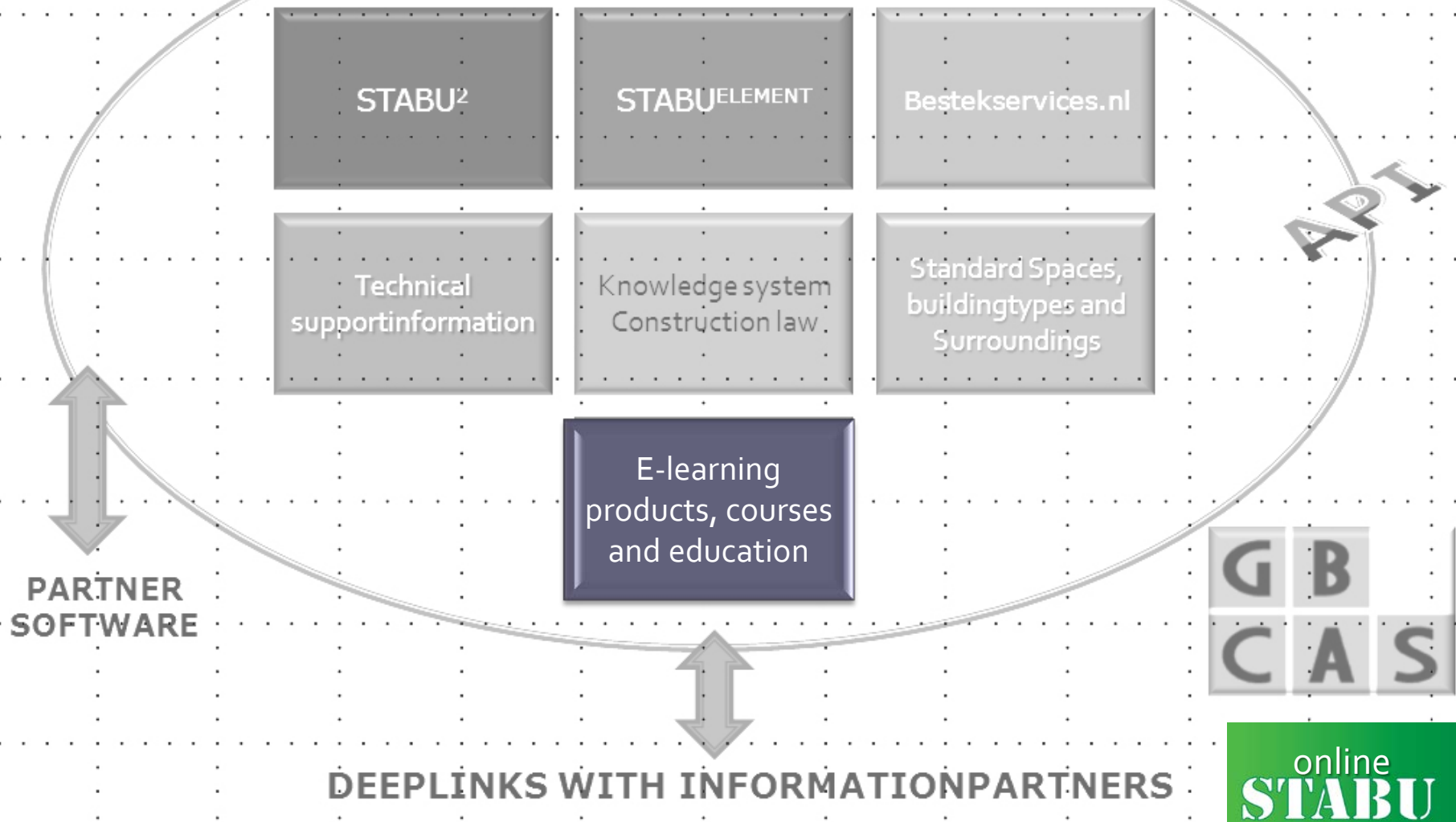
Defensie



Next steps in 2010

- Contacts with Facility Management groups, development clients brief etc.
- Ready end 2010

Online Construction Information System



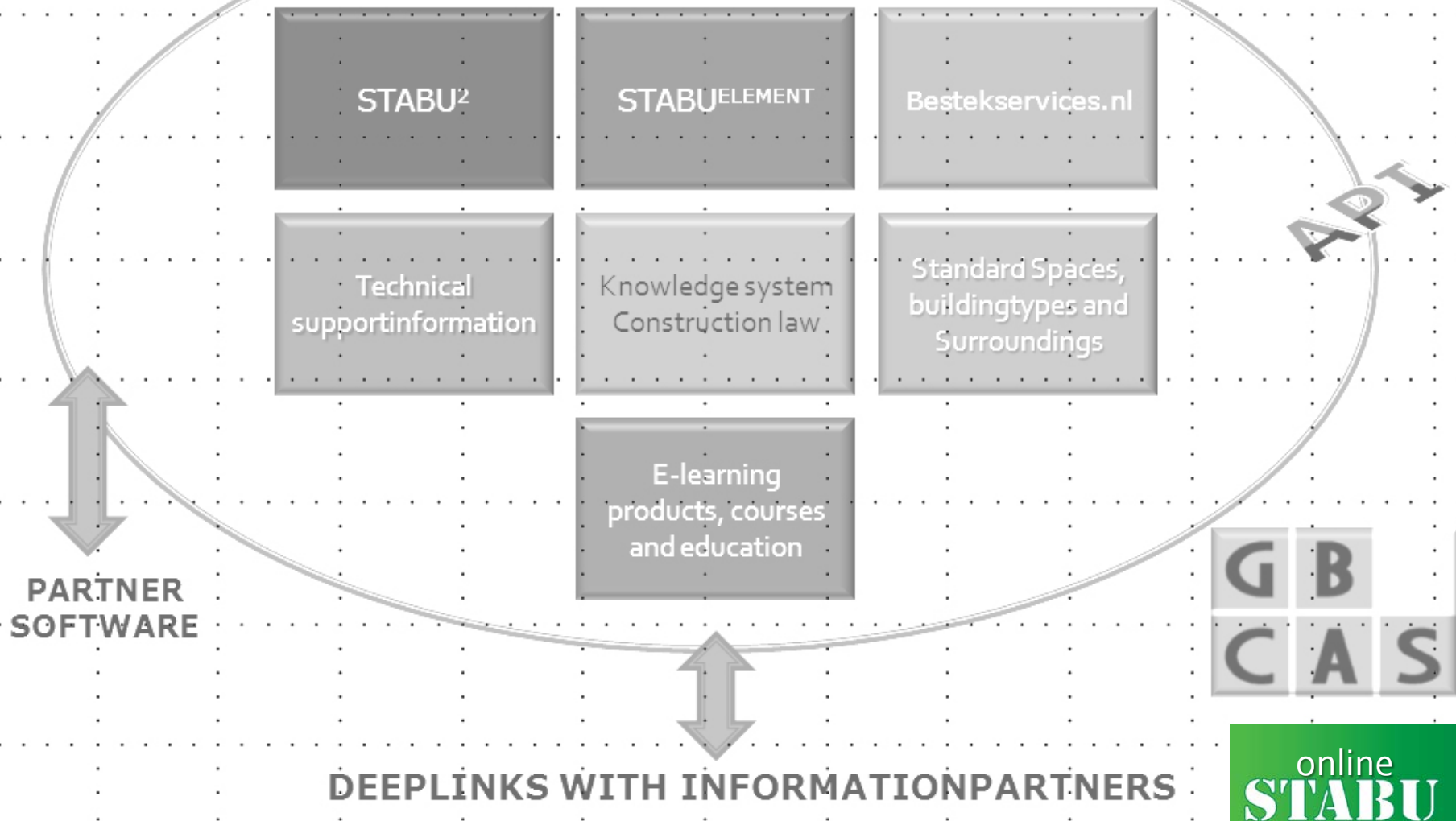
Online Construction Information System

E-learning products,
courses and
education

- Complete checkup all STABU training and courses to fit into the new system, including e-learning parts.



Online Construction Information System



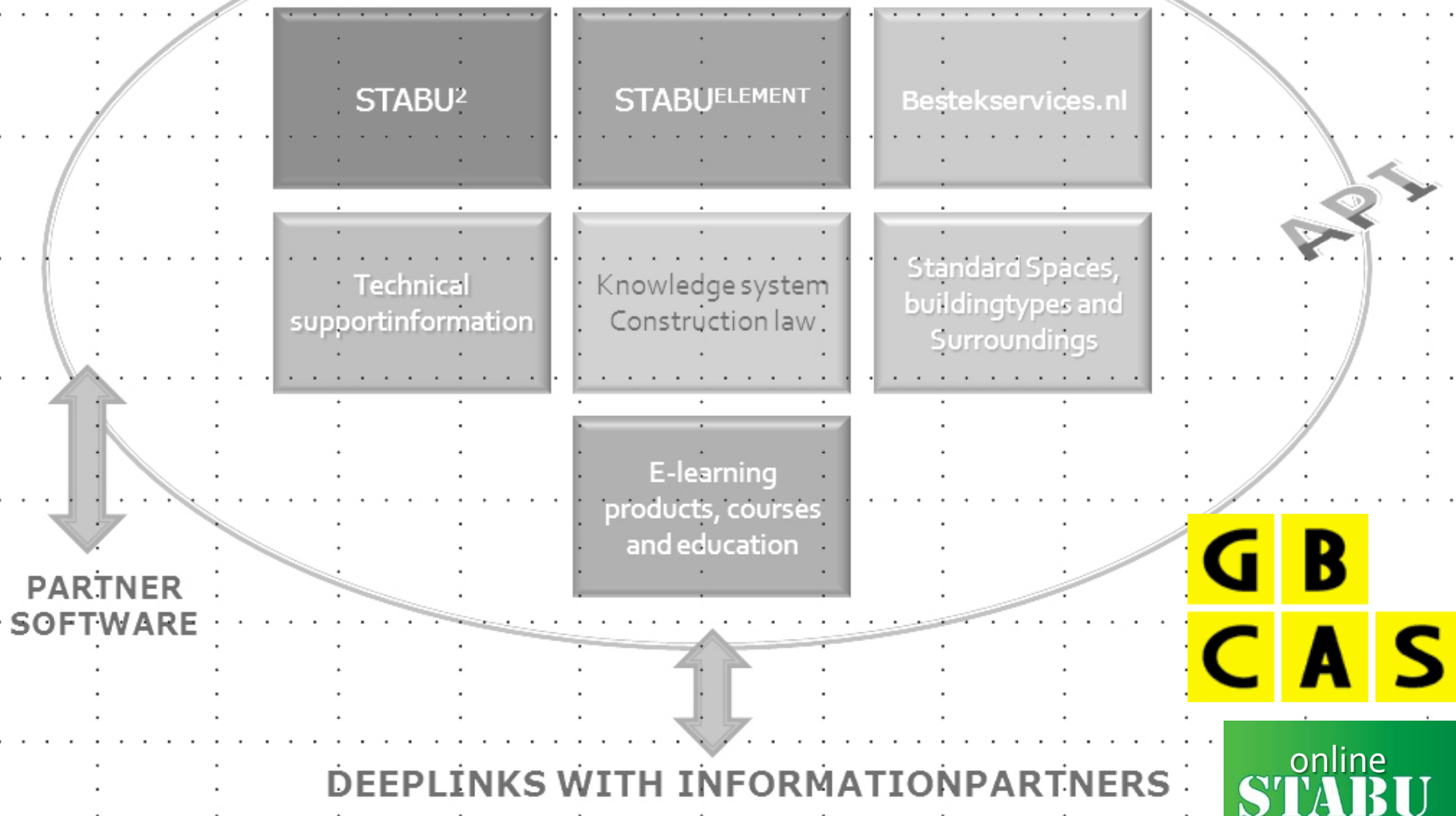
Online Construction Information System



- Project Information Management system.
- Vondle software from Bricsys
- To help partners in the construction industry to communicate on a professional online base.



Online Construction Information System



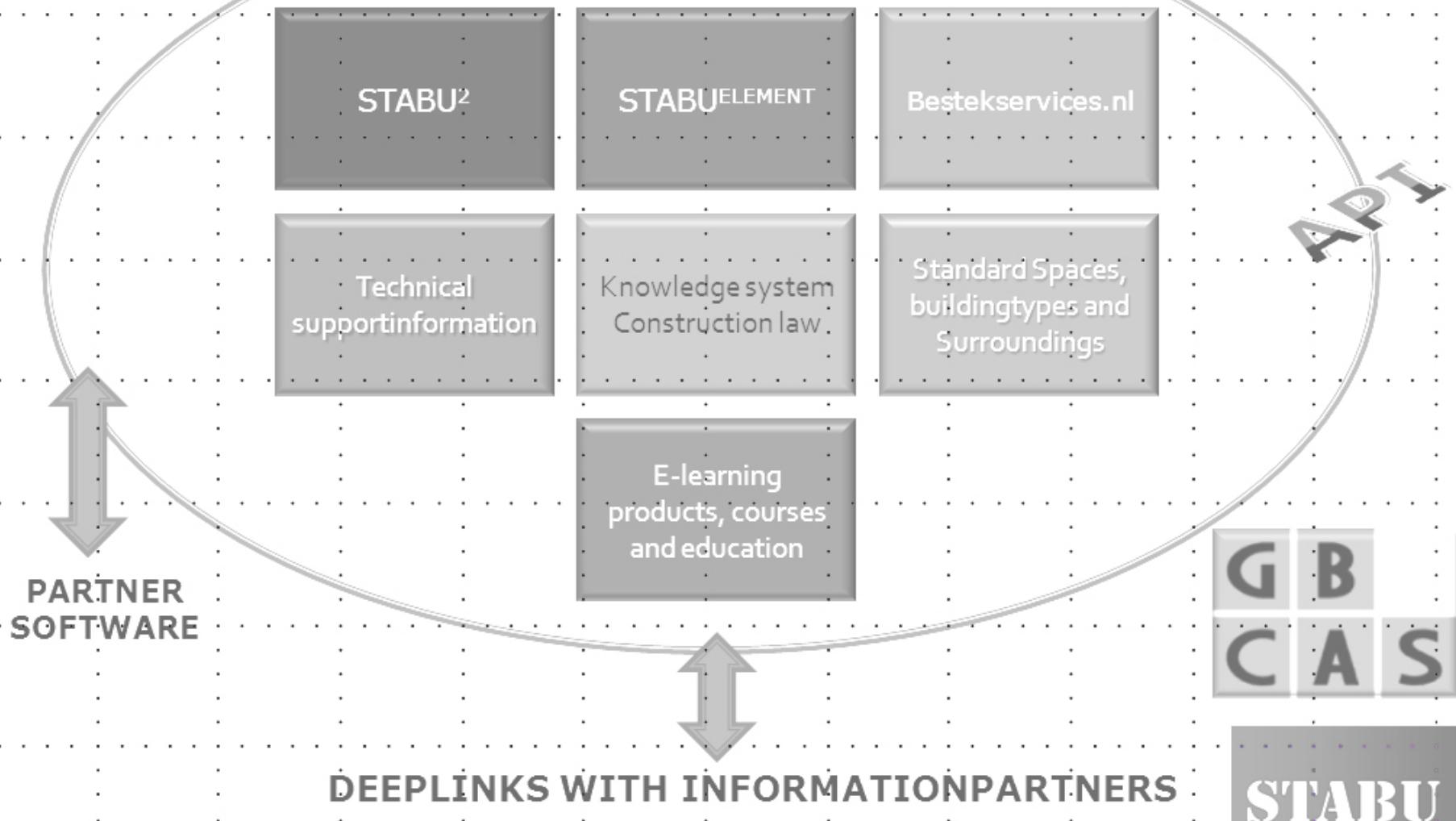


Online Construction Information System

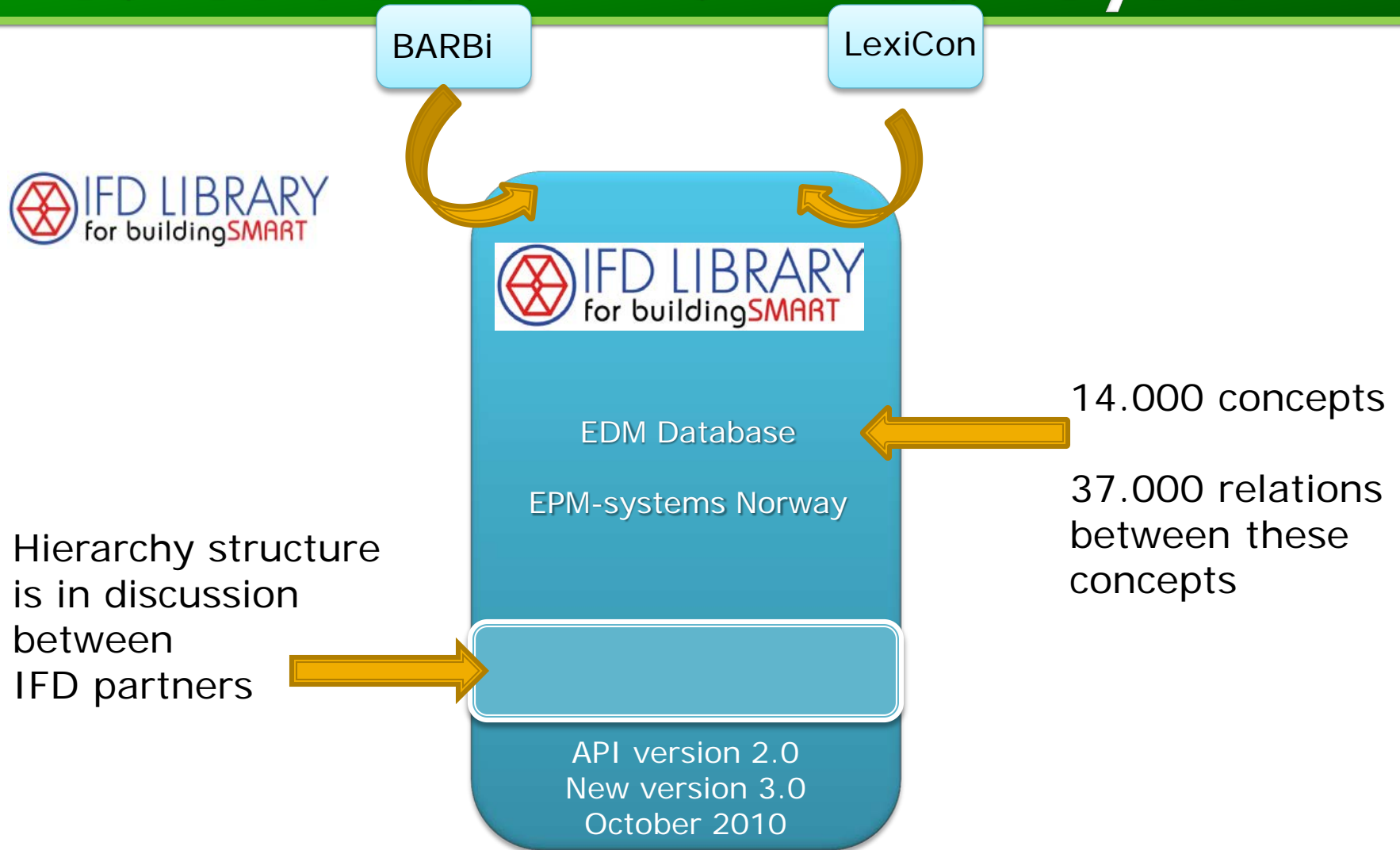


- CAD agreement 2D drawings
- Rules where to store what type of information (in which layers).
- Rules how to build drawing (line thickness, ...)
- Mostly Autocad / Autodesk
- Extension to 3D partners

Online Construction Information System



Online Construction Information System





Online Construction Information System

To decide:



- Change STABU²-specs from textlines to unique attributes including connection with IFD Guid (Global Unique Identifiers).
- Depending on BIM developments in the Netherlands and the extra funding.

**THANKS
FOR YOUR ATTENTION**

