



SEEBLOCKS.eu

Supporting Europe's effort in Blockchain/DLT Standardisation

Blockchain Education & Standardisation: Navigating (beyond) the European Landscape

Knut Blind

Head of Business Unit Innovation & Regulation at Fraunhofer ISI



Funded by
the European Union

10th November 2023

MEET OUR SPEAKERS



Knut Blind MODERATOR
Head of Business Unit
Innovation & Regulation at
Fraunhofer ISI



Serena Dell'Agli
Senior Technology Manager
at European DIGITAL SME
Alliance



Steffen Schwalm
Principal Consultant
Senior Manager Digital
Identity & Trust at MSG



Raymond Forbes
Vice Chair of ETSI
ISG PDL



Stéphane Caporali
Caporali Conseil & Member of
Cen Cenelec SFEM



**Raimundas
Matulevicius**
Professor at University of Tartu
& CHAISE Representative

Mission: To pursue European interests within the Blockchain/DLT Standardisation landscape

OBJECTIVES

Obj.1: Establish a facility dedicated to support EU experts contributing to blockchain standardisation efforts, in alignment with the Rolling Plan for ICT Standardisation.

Obj.2: Liaise with EBP initiatives and European SDOs in the area of blockchain/DLT standardisation.

Obj.3: Map the sector and engage all Stakeholder Groups promoting the EU standardisation initiatives, also via organisation of international events.

Obj.4: Contributing to implementation of European Values and sustainability of the EBSI.

Contribution to standards

- 40+ EU Experts funded via 4 open calls (€300,000 assigned)
- Contribution to 100+ standardisation documents
- Increased international presence of EU experts with SDOs
- ...

Reports, tools, and materials

- Landscape and gap analysis report on Blockchain/DLT standardisation (3 releases)
- Contributions to ICT Rolling Plan
- Synergy and strategy report on EBP, EBSI, INATBA, STandICT.eu, The Blockchain Observatory and Forum
- Blockchain/DLT standardisation promotion and education report (2 releases)
- Promotional & educational materials and tools
- ...

Facility
(Open Calls)

TWG

Events



SEEBLOCKS.eu

EPE

PTF

SB

Community

- 3000+ community members
- 2250+ social media followers
- 10+ EPE members
- 75+ Best Practices
- ...

Outreach

- 2 Annual Impact Events
- 4 Workshops (2 in EU, 1 in US, 1 in Aus)
- 12 Webinars
- 1 public consultation
- 8 newsletters
- 8 Press Releases
- 7 Professional Videos
- Visibility at 6+ third party events

Synergies unlocked

- Direct support to EBP, EBSI, INATBA, STandICT.eu, The Blockchain Observatory and Forum via the Permanent Task Force (PTF)
- DEP, HE, and H2020 R&I Initiatives with standardisation potential
- 75+ selected best practices
- Re-use of the StandICT.eu grants platform
- Up-to-date EUOS on Blockchain/DLT
- ...



A seamless facility to support EU experts contributing to blockchain/DLT standardisation efforts, to liaise with EU initiatives in the Blockchain domain & to contribute to implementation of European Values and sustainability of the EBSI

SELECTION AND ENGAGEMENT PROCEDURE

Fundings to support EU blockchain experts

APPLY NOW!
by 27th November

**Need funding for your
Blockchain/DLT Standardisation
effort & research activity?**

**Apply for funding in
Blockchain/DLT Standardisation**

APPLY NOW



Deadline: 27th Nov 2023

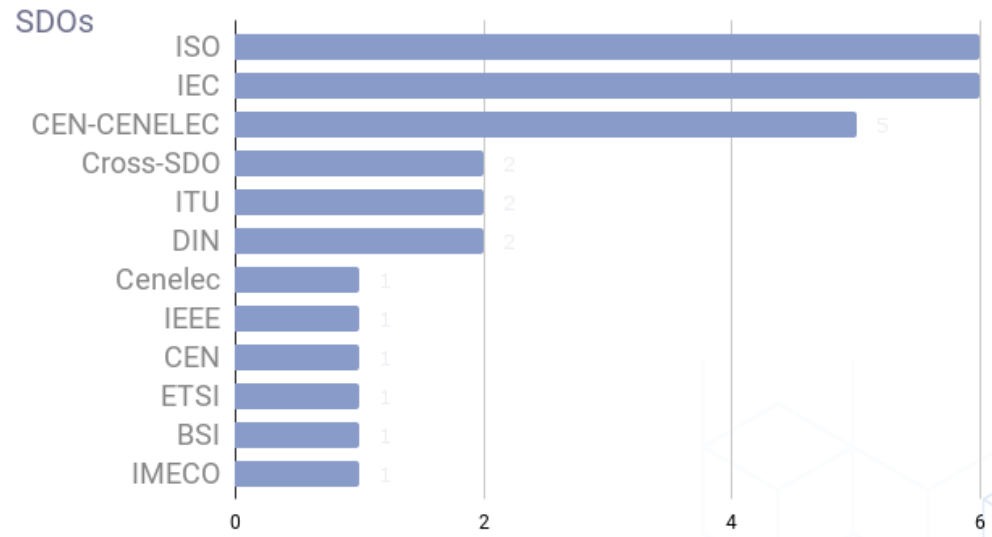
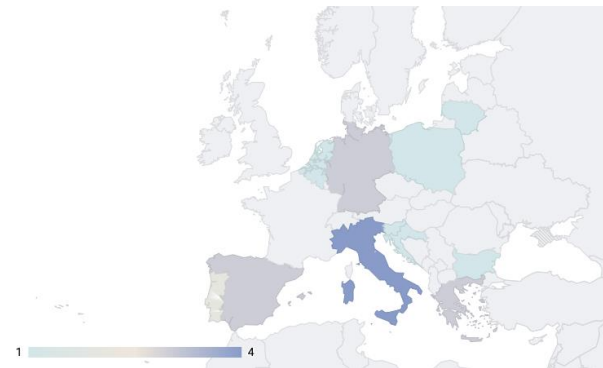


- Overall available budget of € 300,000
- Possibility to obtain up to 10k Euro under each selection.
- Blockchain/DLT professionals with proven expertise and experience in Standardisation activities
- Three types of proposals can be funded under the SEEBLOCKS.eu 2023 SEPs: long-term (up to 6 months duration), short-term (up to 3 months duration) and one-shot (for travelling & events)

EXTERNAL POOL OF EVALUATORS

23 EVALUATORS
FROM 13 COUNTRIES

GENDER
17%  73% 



ORGANISATION TYPE

-  IT Development
-  Gov't / Public Services
-  IT Consultancy
-  Academia / Research
-  SDO/SSO





01

RECORDING

This event will be recorded and will be made available on the **SEEBLOCKS.eu** website within 24 hours (including the presentation of each speaker)



02

Q&A

We do encourage you though to enter any question in the dedicated Q&A box placed in the lower toolbar. The speakers will be pleased to answer back your questions real-time



03

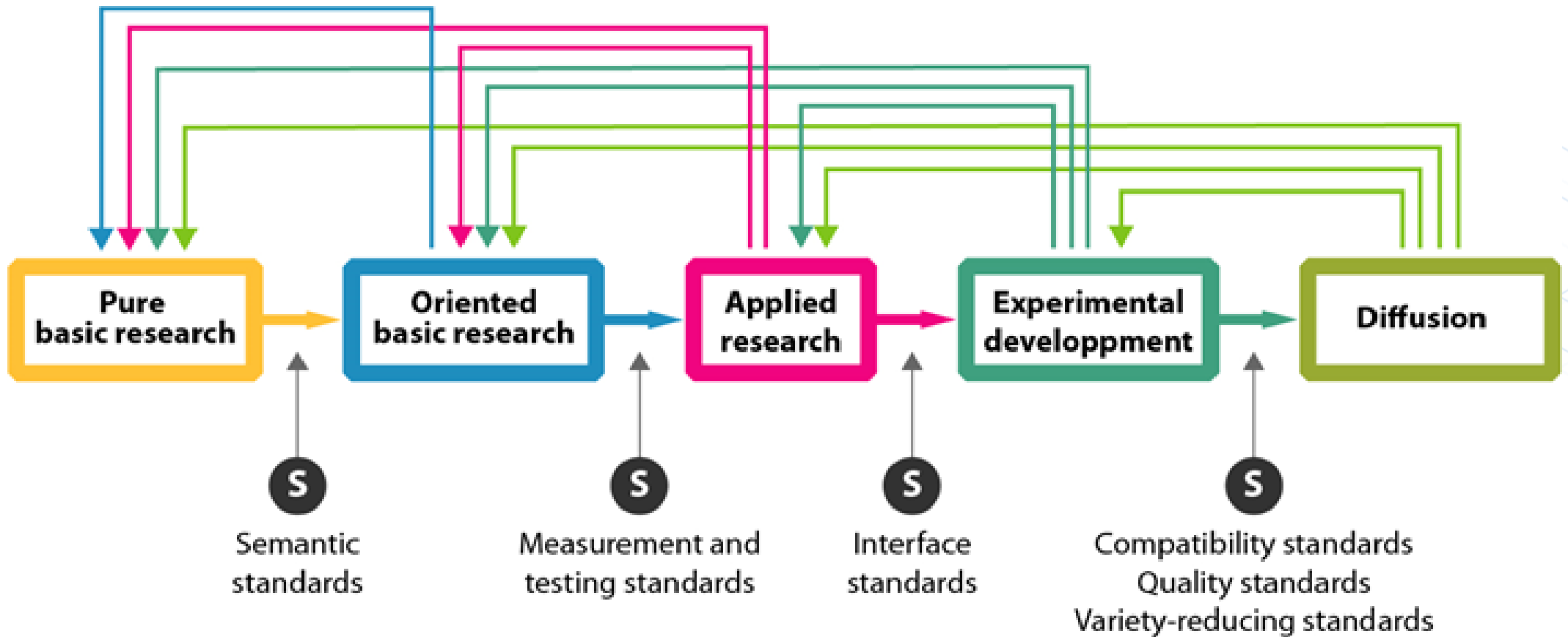
CHATBOX

You can follow the chat to be informed and receive link on the main **SEEBLOCKS.eu**

- ◆ Standardisation activities related to blockchain
- ◆ Challenges
- ◆ Role of education on standardisation
- ◆ Supply of education material and initiatives
- ◆ Way forward:
 - ◆ identification of gaps
 - ◆ closing gaps

FUNCTIONS OF STANDARDS

General functions of standards	Positive impacts on innovation	Negative impacts on innovation
Information	<p>Provide codified knowledge relevant for innovation</p> <p>Coordinate collaborative innovation activities</p>	<p>Generate cost for standards screening</p> <p>Allow unintended knowledge spillovers to competitors by implementation of standards</p>
Variety reduction	<p>Allow exploitation of economies of scale via standards</p> <p>Support critical mass via standards in emerging technologies and industries</p> <p>Create incentives for incremental innovation based on standards</p>	<p>Reduce choice</p> <p>Support market concentration</p> <p>Push premature selection of technologies</p> <p>Limit incentives for radical innovation</p>
Minimum quality	<p>Creating trust in innovative technologies and products at the demand side</p>	<p>Promote market concentration</p>
Compatibility	<p>Increase variety of system products</p> <p>Promote positive network externalities</p> <p>Avoid lock-in into old technologies</p>	<p>Push monopoly power</p> <p>Foster lock-in into old technologies in case of strong network externalities</p>
Insurance	<p>Serve as insurance against failure of radical innovation</p>	<p>Create incentives for incremental instead of radical innovation</p>



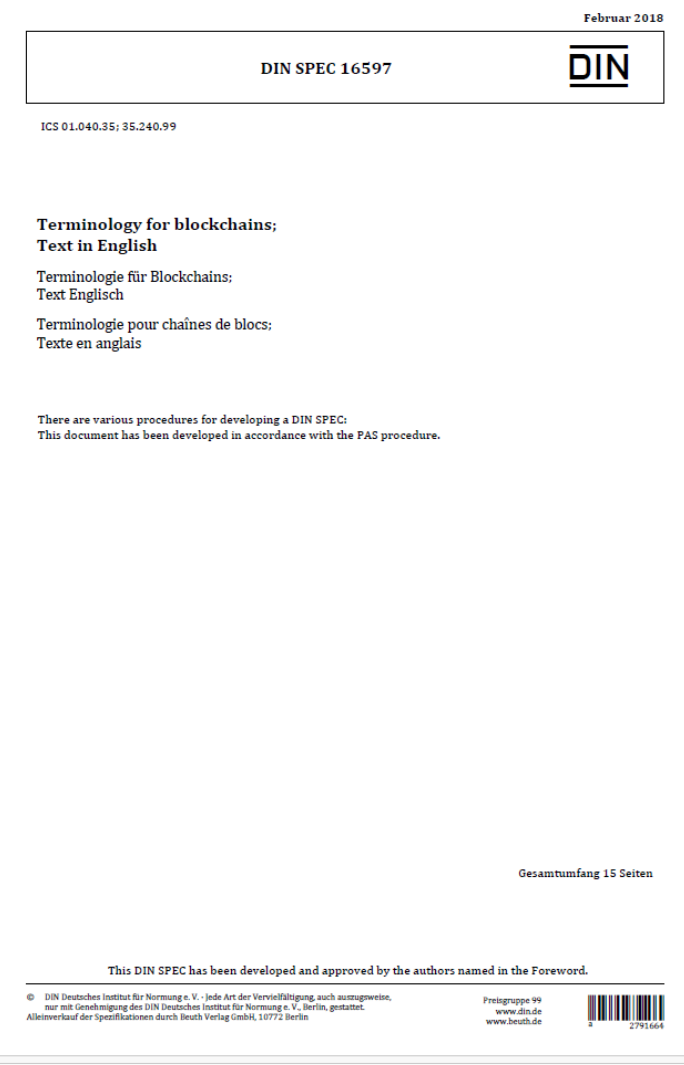
Source: Blind & Gauch (2009) ©ETSI

Statistics

- 6 categories
- 60 terms

Categories of terms

- (Basic) IT terms
- Cryptographic terms
- Main blockchain terms
- Elements and attributes of blockchains
- Blockchain based processes
- Specific situations in the blockchain context





Funded by
the European Union



<https://www.linkedin.com/company/seeblocks-eu/>



@SEEBLOCKS_eu



SEEBLOCKS.eu

Supporting Europe's effort in Blockchain/DLT Standardisation

How can Europe ensure trustworthy decentralization with DLT without losing the core properties of DLT?

If the chain is governed well can it be used to guarantee security of the data?

Which concrete actions could address the current challenges related to the lack of skills on Blockchain standardisation (and Standardisation generally)?

What educational choices in limited time and resources?

What are the most urgent skills needed within organisations to exploit blockchain potential within their work?





Funded by
the European Union



<https://www.linkedin.com/company/seeblocks-eu/>



@SEEBLOCKS_eu



SEEBLOCKS.eu

Supporting Europe's effort in Blockchain/DLT Standardisation