



StandICT.eu 2023
ICT STANDARDISATION OBSERVATORY AND SUPPORT FACILITY IN EUROPE

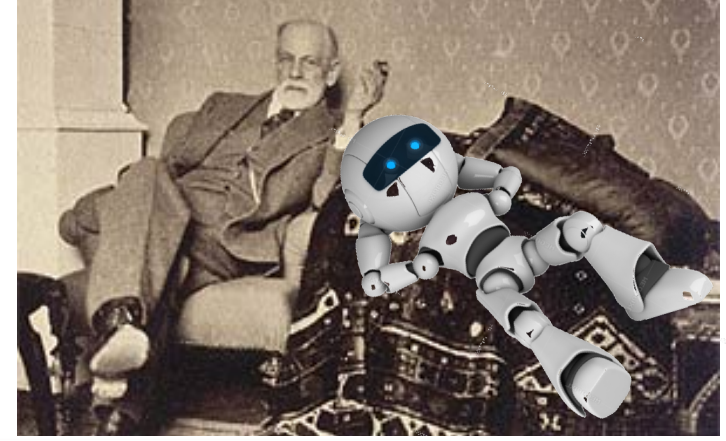
AI from the National Standards perspective

Dr. Karl Grün, Austrian Standards International



StandICT.eu has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement **No. 951972**.

Austria is more than ...



AI Landscape Austria v3.0 - October 2020 Presented by enliteAI

Companies & Startups															
AgriTech SmaXtec, FARMDOX, METOS, PegelAlarm, SMARTBOW, AVL, EMOTION3D, INVENIUM, TTECH, Ubiq	Automotive & Mobility AVL, EMOTION3D, INVENIUM, TTECH, Ubiq	Big Data & Enablers EPANFREE, KIVU, EXOSCALE, TRICENTIS, JARONA, SAILLABS, F-Systems, dynamtrace, econoo, GO Crayon, LM, SAILLABS, F-Systems	CleanTech alteso, mixinteresting, ConsumerTech, ORIGINAL+	EduTech eceedebot	Enterprise Leftshift One, Microsoft, servicenow, SAP, 2021AI, BOTBASE	FinTech obocus.g, BLU DELTA, monee, REBELLION, SPECIESPHERE, NECTON, SmartStream, taxtastic, CORTICES, fait	Image & Video Processing NYLINE, forlan, RESTEYE, Mapillary, KALEIDO, Snap Inc., CarCutter	Industry & Robotics AGILOM, ABLOX, AISEM, cloudflight, craftworks, D'ARIA, UNORO, scable, humai, visio, HODGES SOFTWARE, visplere	InsurTech twingz, prewave, riskine	Language & Text NIHUANCE, APOLLO.AI, FACT.AI, iTranslate, SIONTIME	Market & Media Analytics tailorpost, MADISCOVER, thinkers.ai, JENTIS, STORYCLASH	Privacy Celantur, MOSTLY.AI	Productivity Butleroy, DEEPSEARCH, grape	Retail & eCommerce App Radar, DISHTRACKER, smartengine, ZOOVU	Sales, Marketing & PR emarsys, Flowtap, FRUX, intelbyo, kjeracom, targetAGENT, Torii, smec, SB, BALLEBRIST, TONNELLO
Universities & Educational Institutions MEDIZINISCHE UNIVERSITÄT WIEN, UNIVERSITÄT WIEN, FH JOANNEUM, TU WIEN, UNIVERSITÄT SALTZBURG, UNIVERSITÄT INNSBRUCK, WU, CONTROLLER INSTITUT, ASIGMO, MO/T, QUANTARGO	Research AIT, KNOW, S.C.C.H., Fraunhofer AUSTRIA, Fraunhofer Graz, vrilvis, SAL, RISC	Organizations & Communities AI AUSTRIA, ASAI, Machine Learning Austria, WJWSG, Digital Factory Vorarlberg	Public ADVANTAGE AUSTRIA, Bundesministerium für Wirtschaft, Innovation und Technologie, itSV, BRZ, TIP, StoDt+WiEn	Accelerators, Incubators & Investors ELEVATE, ELEVATOR, eVenture, FACTORY 1, Media, der brutkasten, Standard.at, futurezone, WU-Management Center, Inside Summit, AI Congress Vienna											

AI AUSTRIAN STANDARDS

EnliteAI GmbH - Vienna - 01.10.2020. Licensed under CC BY-ND 4.0

Strategic recommendations for action

- Need for standards to ensure
 - transparency,
 - security,
 - fairness and
 - interoperability in the use of AI
- Austrian Standards International (A.S.I.) plays an important role in this regard on a national level, but also in representing Austrian interests in global standardization bodies
- For some AI fields of application, in addition to a general ethical and legal framework (e.g. non-discrimination based on gender), special ethical guidelines and standardizations are necessary
- Suitable multi-stakeholder initiatives or committees are to be commissioned with this.
- Particular emphasis is placed on close involvement of SMEs



Strategic recommendations for action

 Bundesministerium
Verkehr, Innovation
und Technologie

 Bundesministerium
Digitalisierung und
Wirtschaftsstandort

AIM AT 2030

Artificial Intelligence Mission Austria 2030


Die Zukunft der Künstlichen Intelligenz in Österreich gestalten
Shaping the Future of Artificial Intelligence in Austria

- Standards
 - enlarge sales markets for companies
 - facilitate interoperability
 - reduce implementation costs of technical solutions
 - support implementation of regulations
- Participate actively in standardization of AI solutions, e. g. ISO/IEC JTC1/SC 42 in order to incorporate Austrian interests and national know-how into technical standards and thus to be able to establish national AI solutions internationally.
- Targeted funding must be set up in order to optimize use of AI technologies and development and improvement of AI processes for Austrian companies, incl. incentives for developing standards

AI IN THE ECONOMY

AI will create new opportunities for product and process innovation in almost every branch of the corporate sector. But new technologies are also often associated with high investment and knowledge costs, which can be challenging for the use of AI in small and medium-sized businesses.

In addition to knowledge of the technological basics, AI requires flexibility and the willingness to try new things. The promotion of AI-based foundations can be an effective means of promoting diffusion. Established companies that rely on AI may have to abandon business models that have been successful in the past. **Fields of action concern issues of standardisation, data protection and access to data.**

 Bundesministerium
Verkehr, Innovation
und Technologie

 Bundesministerium
Digitalisierung und
Wirtschaftsstandort

Ergebnisbericht

Zusammenfassung der Ergebnisse der Expertinnen und Experten zur Erarbeitung eines Strategieplans für Künstliche Intelligenz

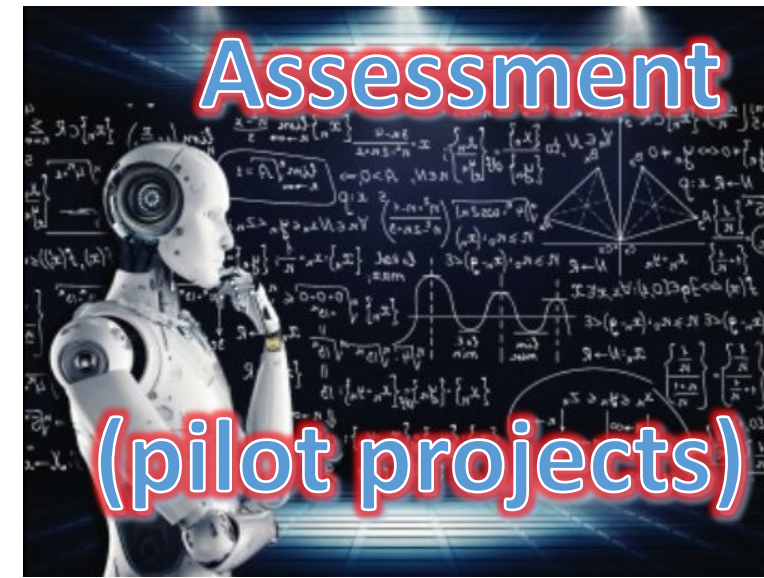
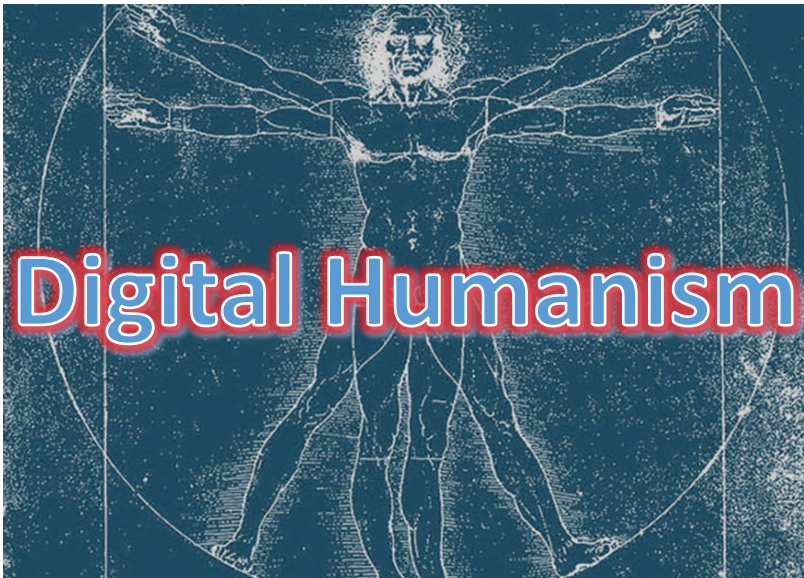
Standardization of Artificial Intelligence managed in Working Group 001.42 with 50 experts from broad range of stakeholders

Accenture GmbH	FH OÖ Forschungs- & Entwicklungs GmbH	ONDEWO GmbH
AIT Austrian Institute of Technology GmbH	FH St. Pölten	OVE Österreichischer Verband für Elektrotechnik
Andata Entwicklungstechnologie GmbH	GS1 Austria GmbH	RISC Software GmbH
Atos IT Solutions and Services GmbH	Hilfsgemeinschaft der Blinden und Sehschwachen Österreichs	Software Competence Center Hagenberg GmbH SCCH
BM für Digitalisierung und Wirtschaftsstandort	Höhne, In der Maur & Partner Rechtsanwälte GmbH & CO KG	SWW Software Erlend Wolf eU
Boteillier Dr. Philippe Reinisch	Huawei Technologies Austria GmbH	Technische Universität Wien Inst. für Information S.E.
BRZ Bundesrechenzentrum GmbH	IBM Österreich Internationale Büromaschinen GesmbH	Technische Universität Wien, Institut f. Technische Informatik
Bundesinnung der Mechatroniker	IEEE Technology Centre GmbH	TheVentury GmbH
Catalysts GmbH	Infotraders eU	Trading & Consulting 'H.P.C.' GmbH
CISC Semiconductor GmbH	IT-Services der Sozialversicherung GmbH	Umweltbundesamt GmbH
dwh GmbH Simulation Services & Technical Solutions	Joanneum Research Forschungsges. mbH Inst.f.Informations-u.Kommunikationstech	Unisys Österreich GmbH
EFKON GmbH	Know-Center GmbH	VDSG Vienna Data Science Group
Erste Group Bank AG	m2n - consulting and development GmbH	Xephor Solutions GmbH
Fachhochschule Kärnten	McKinsey & Company	
Fachhochschule Wiener Neustadt GmbH	NXP Semiconductors Austria GmbH	

CEN-CENELEC Focus Group on AI
(and proposed
CEN/CENELEC JTC on AI)

ISO/IEC JTC 1/SC 42 AI
and related ISO activities

Some hot topics



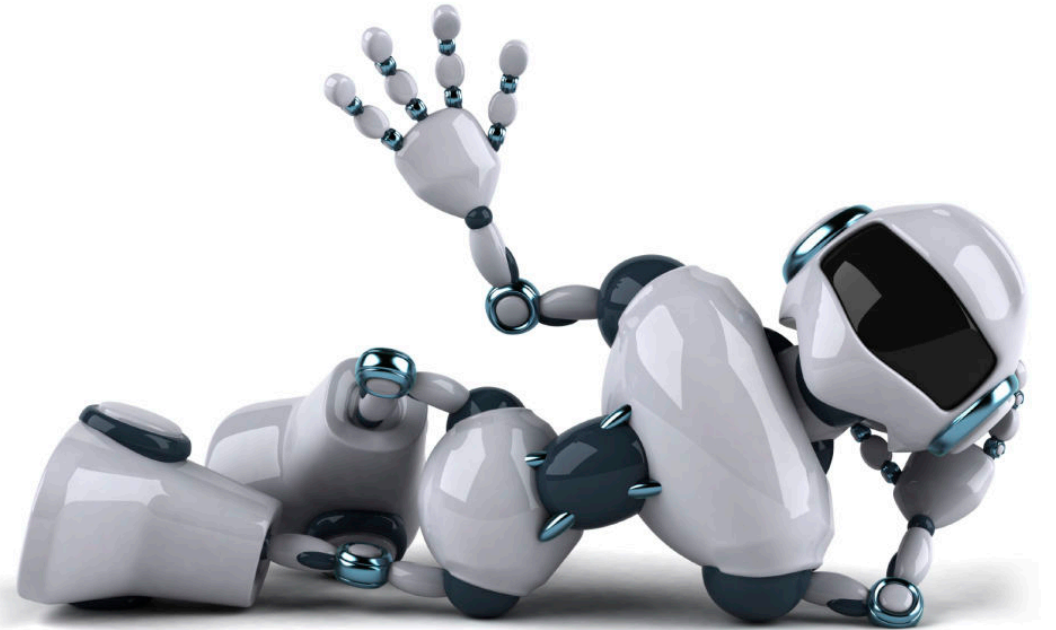


Dr. Karl Grün

Director Standards Development
Austrian Standards International
Standardization and Innovation

 k.gruen@austrian-standards.at

 <https://twitter.com/KarlGrn>





Thanks from

StandICT.eu 2023
ICT STANDARDISATION OBSERVATORY AND SUPPORT FACILITY IN EUROPE



To find out more visit:
standict.eu



Stay in touch on Twitter
[@Stand_ICT](https://twitter.com/Stand_ICT)



Join us on LinkedIn
linkedin.com/in/standict

