



SWEDISH FOUNDATION *for*
STRATEGIC RESEARCH

Cyber Security @ SSF

The Cybernode Collaboration Conference 2023

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SSF = Swedish Foundation for Strategic Research

Q: What is Strategic research?

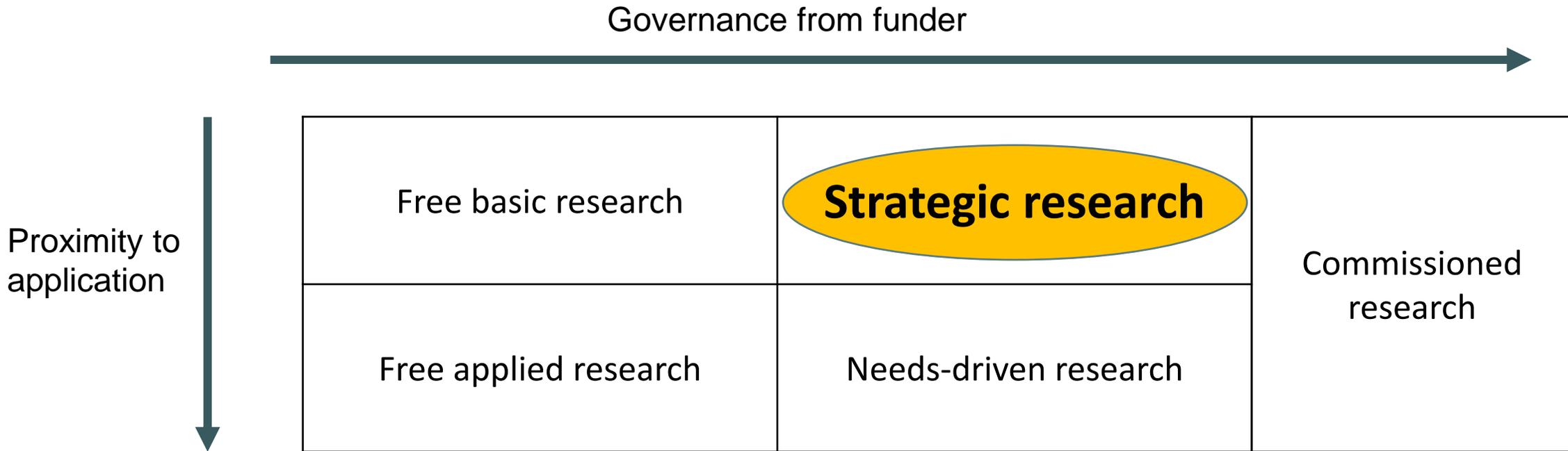
A: Swedish government Prop. 1992/93:171:

- Strategic = "...**as well** high scientific quality **as** long term industrial interest"
- "Basic research **directed towards** important areas"

SSF is an **independent non-governmental** funding foundation



SSF's position in the R&D funding system



**Relevance &
societal impact**

Scientific quality

SSF's core

Interdisciplinarity

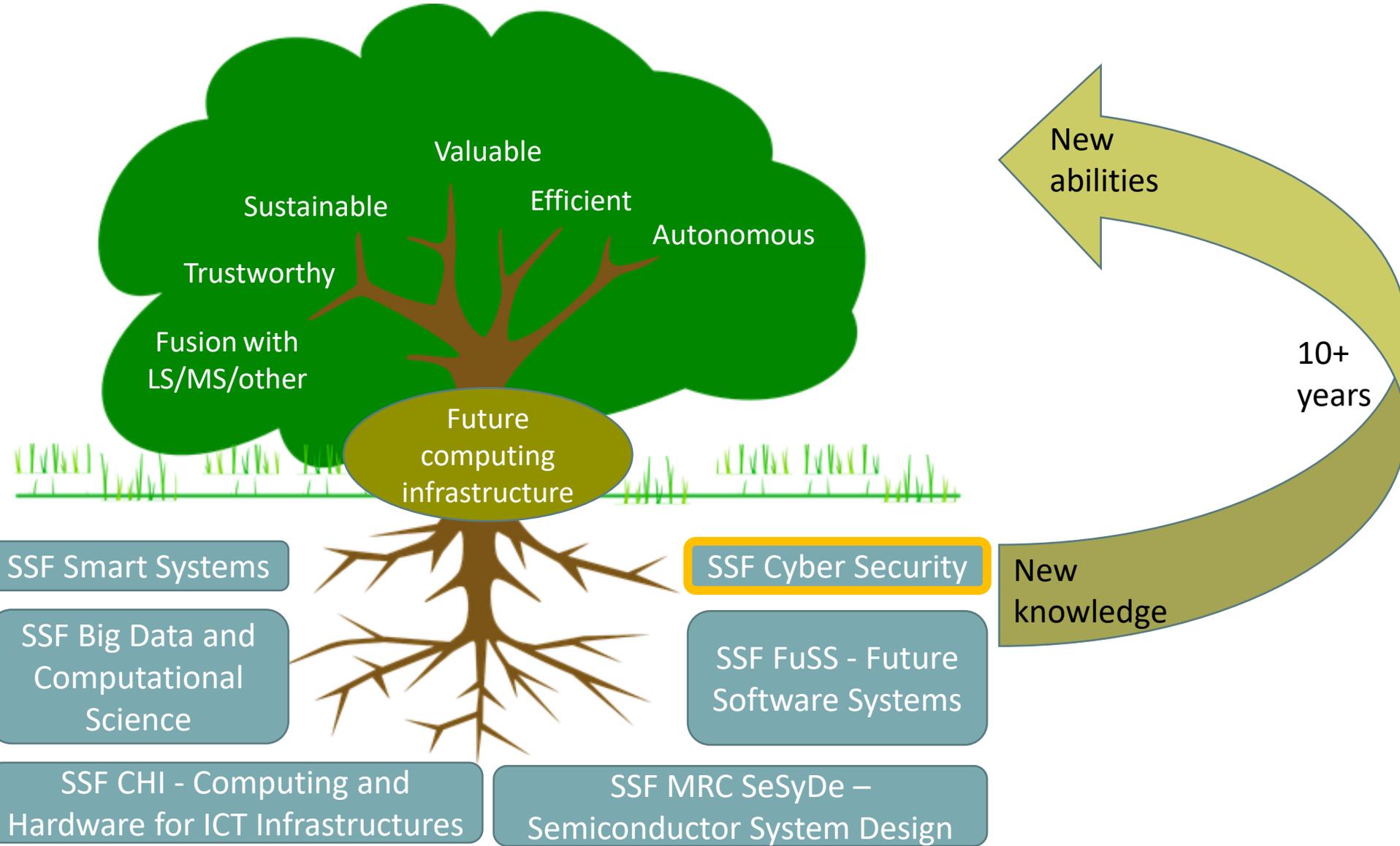
***Mobility between
sectors***

Internationalization

Leadership



ICT @ SSF: basic research with a 10+ years' strategy



Overall SSF
ICT-program
portfolio budget:
≈1 Billion SEK



SSF Cyber Security projects

Appl. no	Applicant	Affiliation	Granted, MSEK	Project title in English	Research field	Key words
RIT17-0036	Dam, Mads (Prof.)	KTH - Royal Institute of Technology	34	Trustworthy Fullstack Computing	Cyber security	Computer Security, Software Diversity, Formal Methods, Provable Security
RIT17-0032	Gehrmann, Christian (Prof.)	Lund University	30	Cyber Security for Next Generation Factory	System security research	security, privacy, computer security, communication security, networks
RIT17-0035	Hedin, Görel (Prof.)	Lund University	22	Secure Software Update Deployment for the Smart City	System security research	security, privacy, network security, computer security
RIT17-0038	Jonsson, Bengt (Prof.)	Uppsala University	32	aSSIsT: Secure Software for the Internet of Things	Software security, analysis, testing, networking and run-time techniques, IoT	Security, Internet of Things, Protocol Testing, SoftwareVerification, EmbeddedOS
RIT17-0005	Papadimitratos, Panagiotis (Prof.)	KTH - Royal Institute of Technology	33	Secure and private connectivity in smart environments	Cybersecurity and privacy	
RIT17-0046	Proutiere, Alexandre (Prof.)	KTH - Royal Institute of Technology	33	CLAS: Cyber-security for learning and control systems	Security, Control, Machine Learning	Cyber-security, control systems, machine learning
RIT17-0023	Russo, Alejandro (Prof.)	Chalmers University of Technology	31	Octopi: Secure Programming for the Internet of Things	Language-based security, Information-flow control, Functional Programming	Security, Privacy, Functional Languages, Embedded Systems
RIT17-0011	Sabelfeld, Andrei (Prof.)	Chalmers University of Technology	30	WebSec: Securing Web-driven Systems	web security, information security	web security, web privacy, cross-site scripting, JavaScript, program analysis
RIT17-0009	Sjödin, Mikael (Prof.)	Mälardalen University, Västerås	28	Serendipity - Secure and dependable platforms for autonomy	Dependable embedded systems	Cyber-physical systems, dependable systems
RIT17-0020	Voigt, Thiemo (Prof.)	Uppsala University	27	LifeSec: Don't Hack my Body!	security, medical engineering, in-body communication, privacy	implanted networked devices, security, communication, fat layer
10 projects			300 MSEK			

