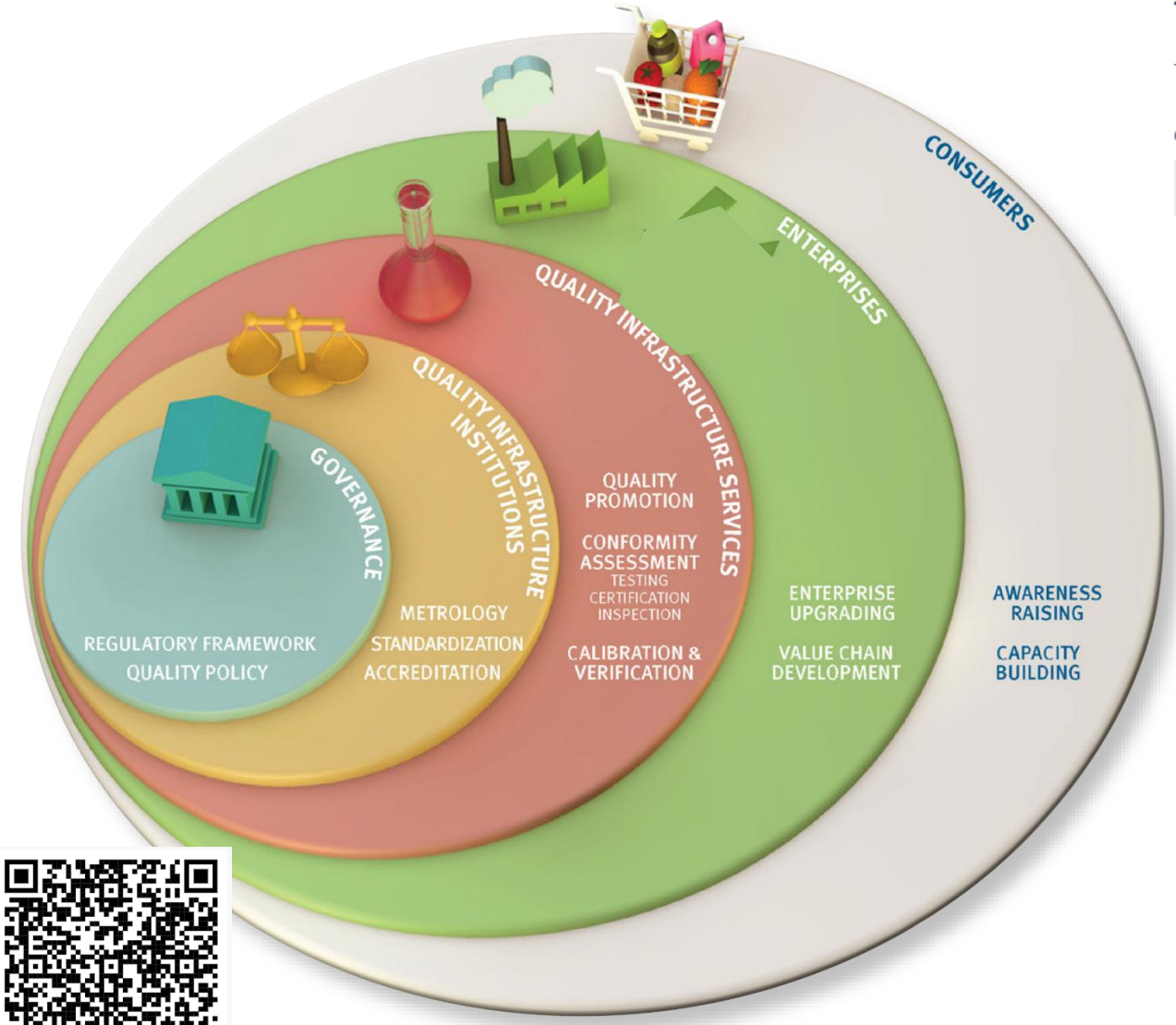
Swiss Quality Infrastructure in Transition

Peter Blattner (METAS)

Quality Infrastructure (QI) – Building Trust for Trade

METAS

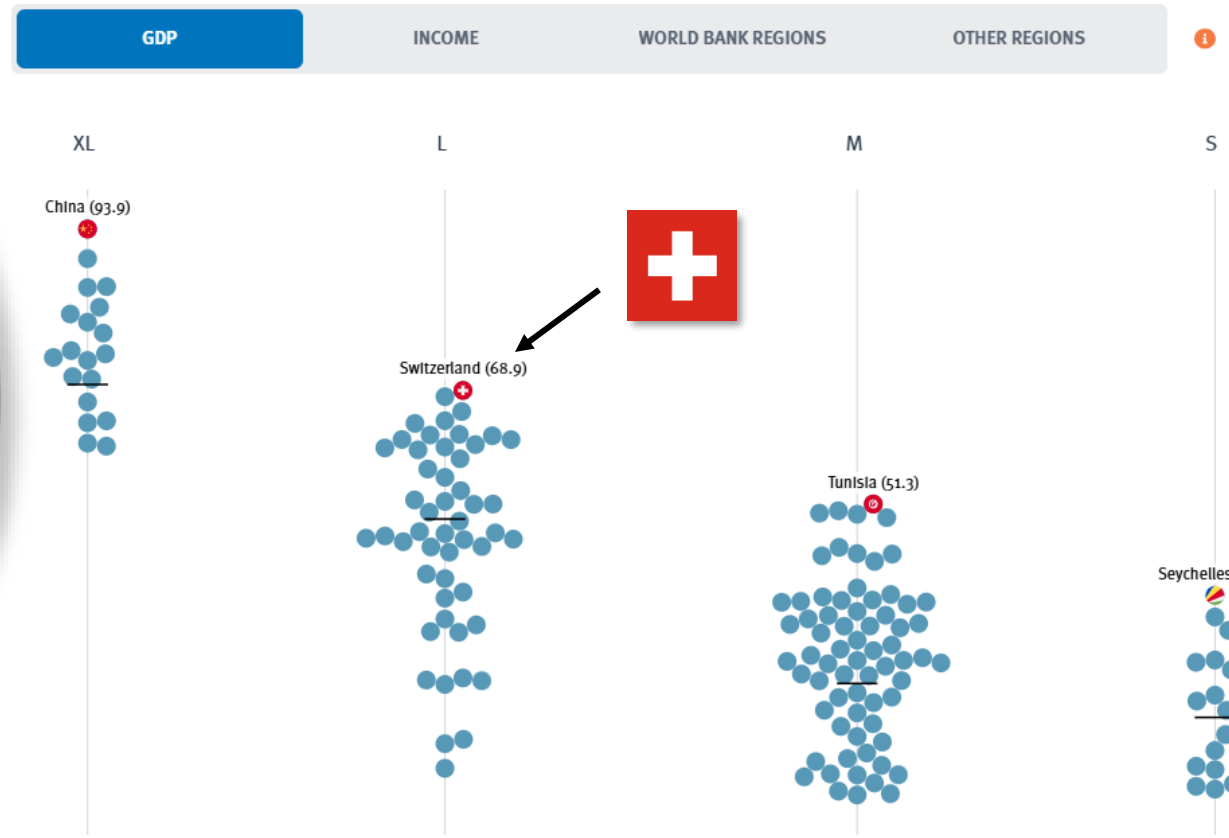


THE QI4SD INDEX RELATIONSHIP TO GDP, INCOME AND REGIONS

2024

The Index scores are grouped Into peers based on GDP, Income and Regions.

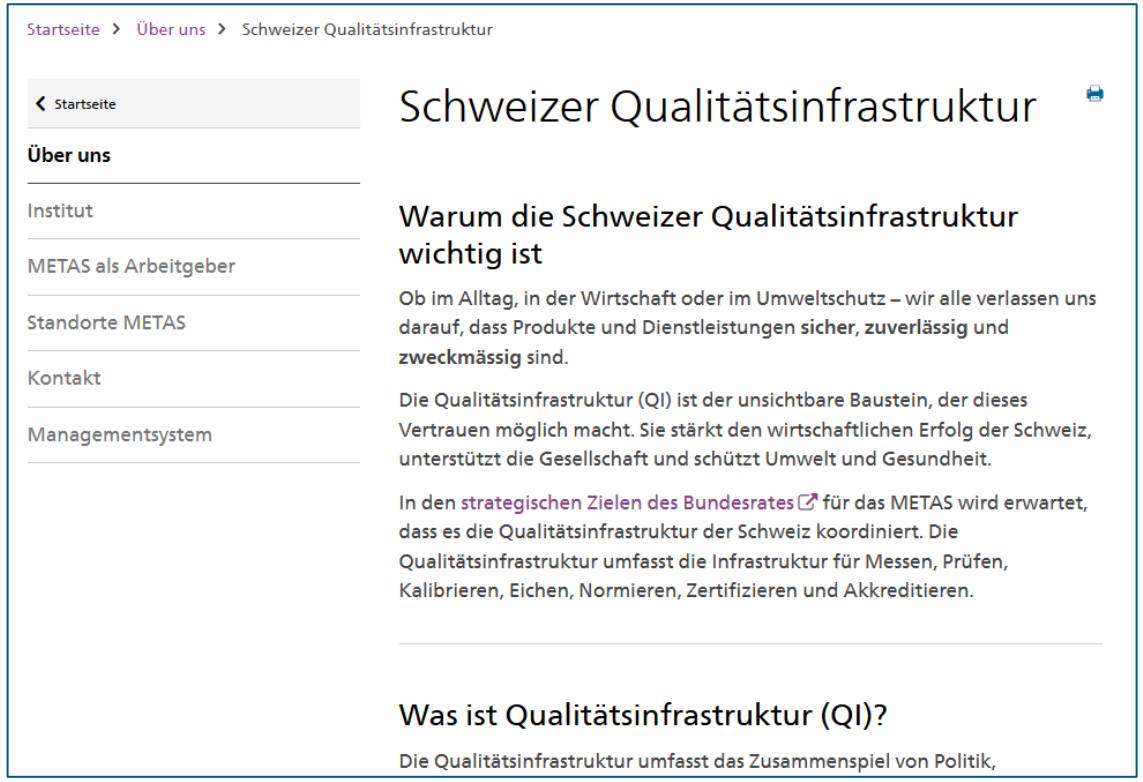
https://hub.unido.org/qi4sd/?year=2024



QI in Switzerland

Institutions:
Metrology: METAS
Standardization: SNV
Accreditation: SAS

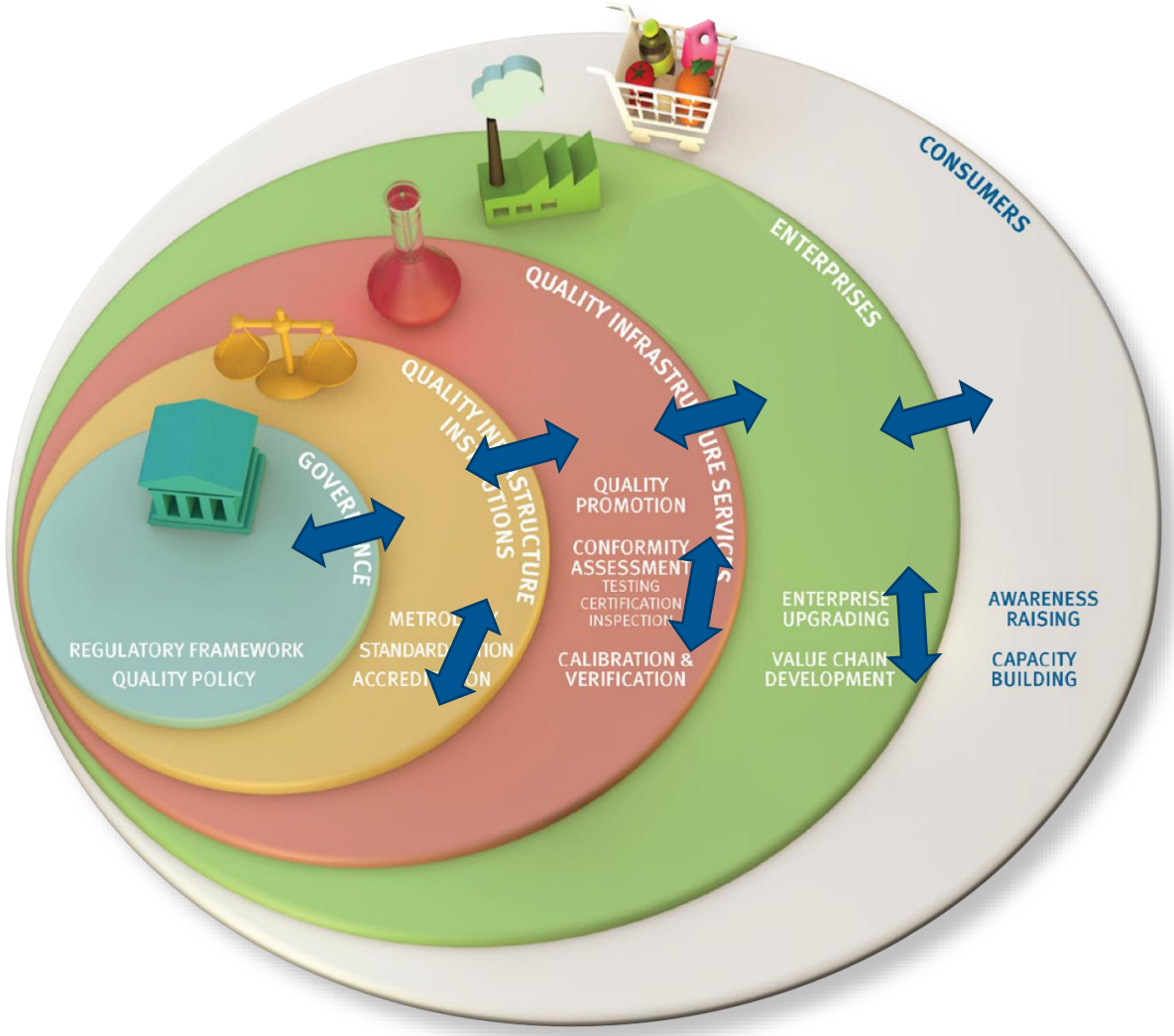
Increasing awareness



Strategic Goals 2028:
The Federal Council expects METAS to coordinate Switzerland's quality infrastructure (infrastructure for measurement, testing, calibration, verification, standardisation, certification and accreditation)

Digitalization of the Swiss QI:
Various frameworks:
- Strategie Digitale Bundesverwaltung
- eCH-Standards
- National data management

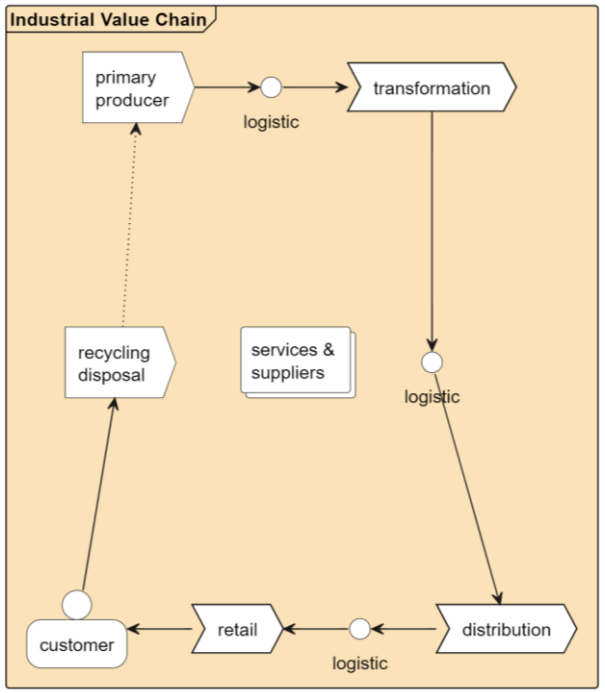
But, why digital transformation of the QI?



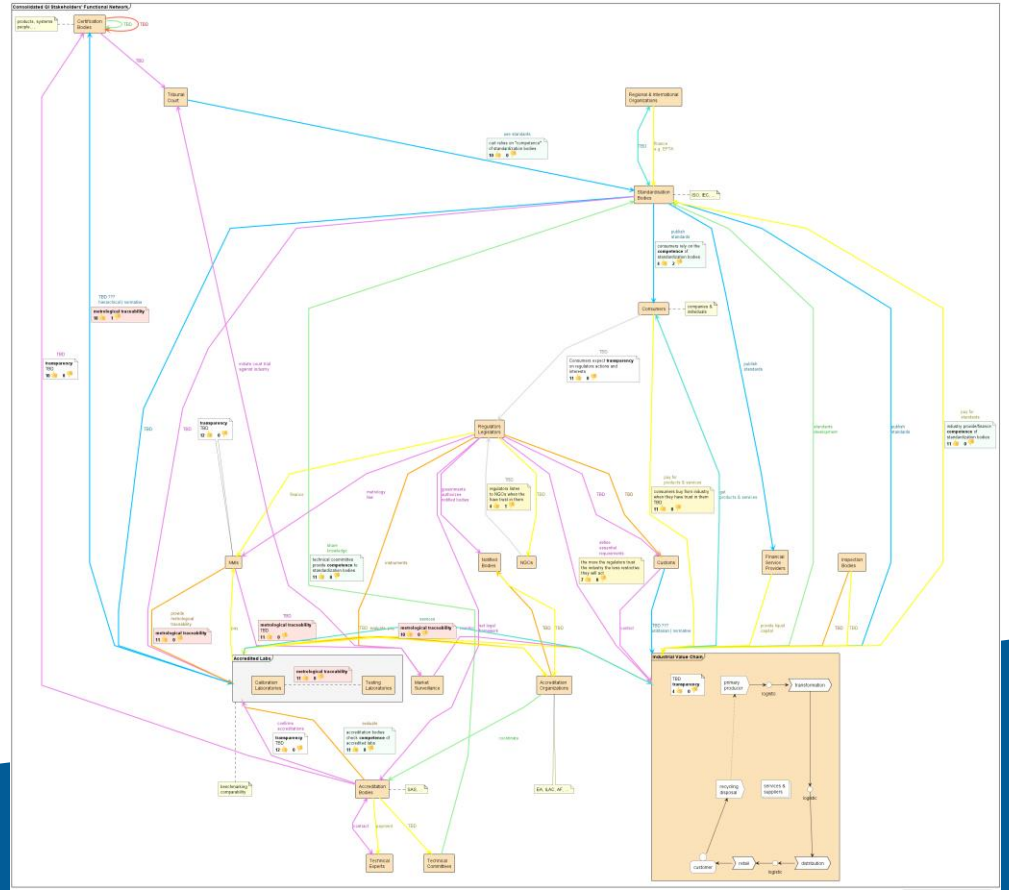
- What are the interactions in the QI?
- What are the pain points?
- Who is affected?

Initiative of INB/NK 195 *Conformity assessment*

Workshop 1: Stakeholder identification & Interactions



Accreditation Bodies
Accreditation Organizations
Accredited Labs
Calibration Laboratories
Certification Bodies
Consumers
Customs
Financial Service Providers
Industrial Value Chain
Inspection Bodies
Market Surveillance
NGOs
NMIs
Notified Bodies
Regional & International Organizations
Regulators Legislators
Retailers
Standardisation Bodies
Technical Committees
Technical Experts
Testing Laboratories
Tribunal/Court



Workshop 2: From Pain Points to Digital Solutions

Market-pull – Pain-points / Opportunities	Techno-push initiatives	Market-pull – Systemic (Digital) Solutions	Domain of action	Measuring success KPIs	Key stakeholders	Necessary contract / agreement	Missing capabilities	First step

Internal (institutions) DT initiatives to ensure organisational readiness

Gaps & blocking points	Readiness initiatives	Domain of action	Measuring success KPIs	Missing capabilities	First steps

https://www.m4dconf.org/

Systemic (Swiss QI network) digital transformation initiatives

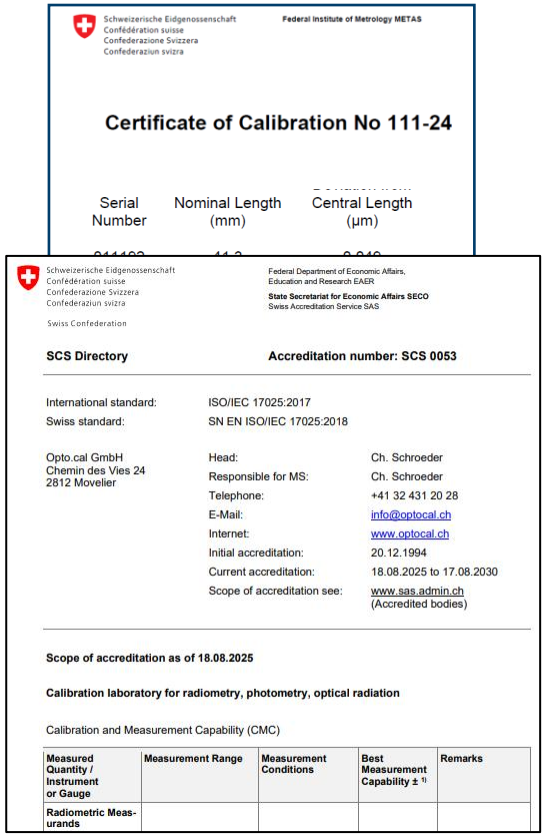
-> QI Data Spaces
(verifiable credentials,…)

Workshop 3: Towards a QI(CH) Data Space

Supported by the Federal Chancellery: Swiss Data Ecosystems

METAS

1. Identification of QI-Deliverables



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Institute of Metrology METAS

Certificate of Calibration No 111-24

Serial Number	Nominal Length (mm)	Central Length (µm)

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Economic Affairs SECO
Swiss Accreditation Service SAS

SCS Directory **Accreditation number: SCS 0053**

International standard:	ISO/IEC 17025:2017	
Swiss standard:	SN EN ISO/IEC 17025:2018	
Opto.cal GmbH Chemin des Vies 24 2812 Movelier	Head:	Ch. Schroeder
	Responsible for MS:	Ch. Schroeder
	Telephone:	+41 32 431 20 28
	E-Mail:	info@optocal.ch
	Internet:	www.optocal.ch
	Initial accreditation:	20.12.1994
	Current accreditation:	18.08.2025 to 17.08.2030
	Scope of accreditation see:	www.sas.admin.ch (Accredited bodies)

Scope of accreditation as of 18.08.2025

Calibration laboratory for radiometry, photometry, optical radiation

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Capability ± [1]	Remarks
Radiometric Meas-urands				

> 20 types of deliverables

2. Decomposing deliverables Into «information blocks»

Does a shop seller need to know my daughters's date of birth if she buys a bottle of wine?

data privacy by design

3. Linking «information blocks» to stakeholders/data consumers