WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Resilient and Secure Platform

IPO Meeting on ICT Strategy and AI

K. Kalejs – Director PCT IS Division

Thursday, May 24, 2018

Current context

- **A continuously evolving threat landscape for the PCT**

RSP - Background

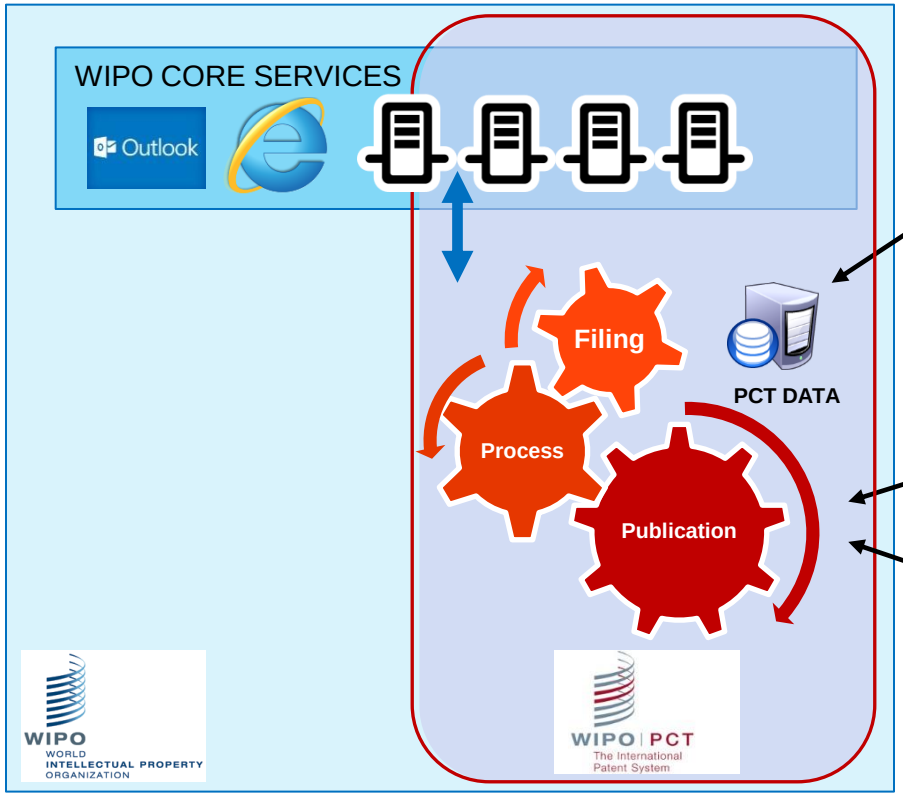
- **The PCT is a cornerstone**, it provides > 70% of revenue.
- **Resilience** of the PCT's services is critical to the business operations of PCT applicants and Offices.
- **Service interruptions** have the potential to lead to backlogs at WIPO, as well as backlogs and/or loss of rights for WIPO's customers.
- Medium to large scale **service disruptions** are likely to damage WIPO's reputation and income.
- PCT infrastructure is sharing its core services with other WIPO corporate services. **Any potential threat impacting WIPO** (cyber-attack, natural disaster, major technical failure) **may therefore impact the PCT**.

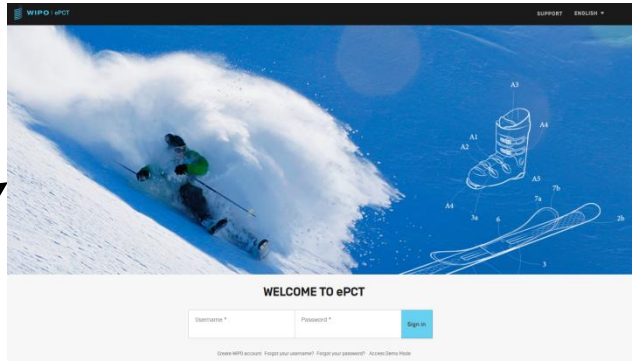
RSP

RSP = Resilient and Secure Platform

- Capital Master Plan Approval for Phase I:2018-2019 8 million CHF
- Increasing the security of the systems storing and processing WIPO’s sensitive and critical PCT data;
- Increasing the availability and resiliency of WIPO’s critical PCT business processes and related systems;
- Improving the data identification, classification and protection;
- Improving PCT’s ICT agility and adaptability

Current architecture



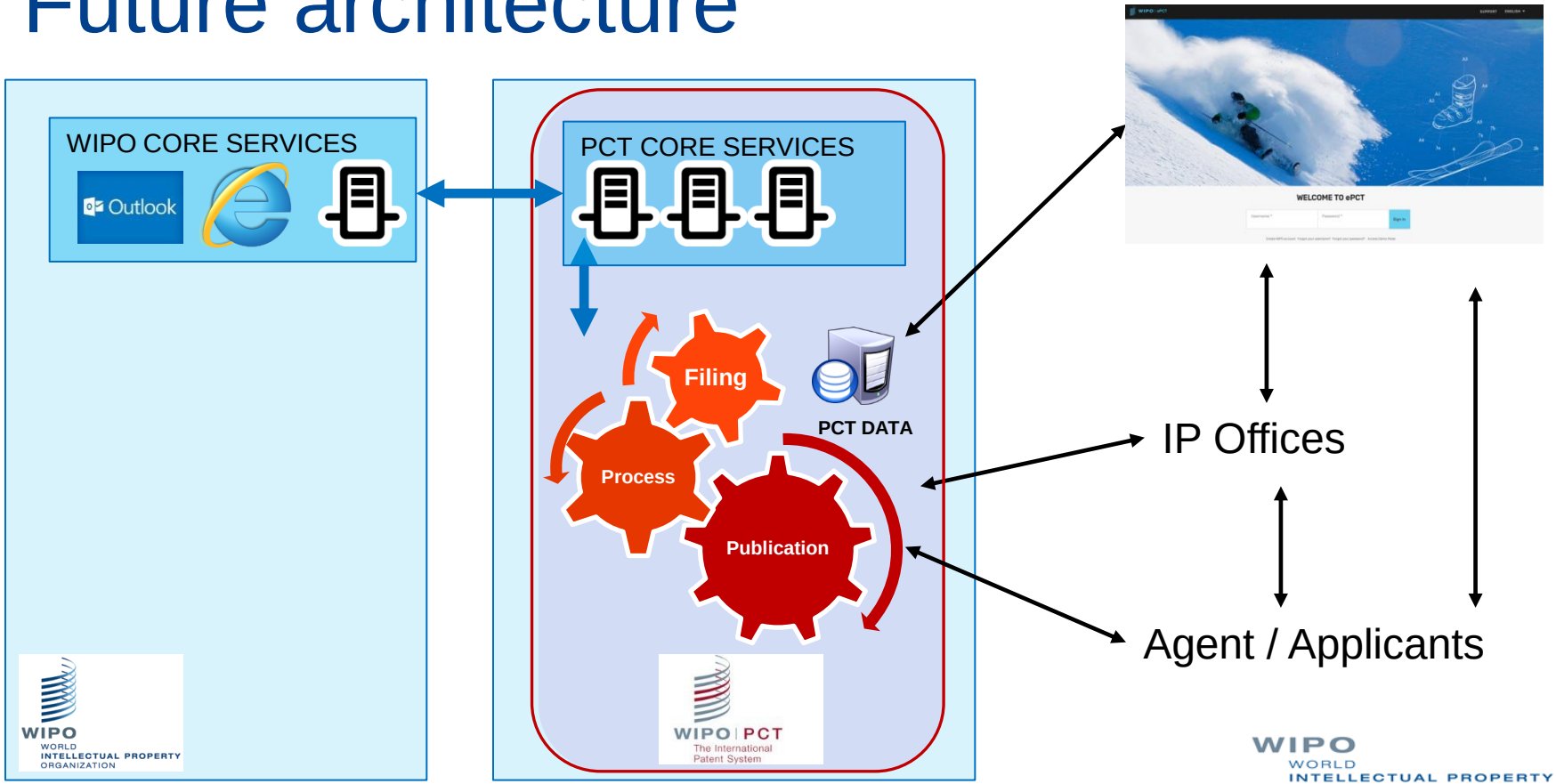


IP Offices

Agent / Applicants

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Future architecture



Data Centers

- Current

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Data Centers

- Future

PCT DC1

Nearby

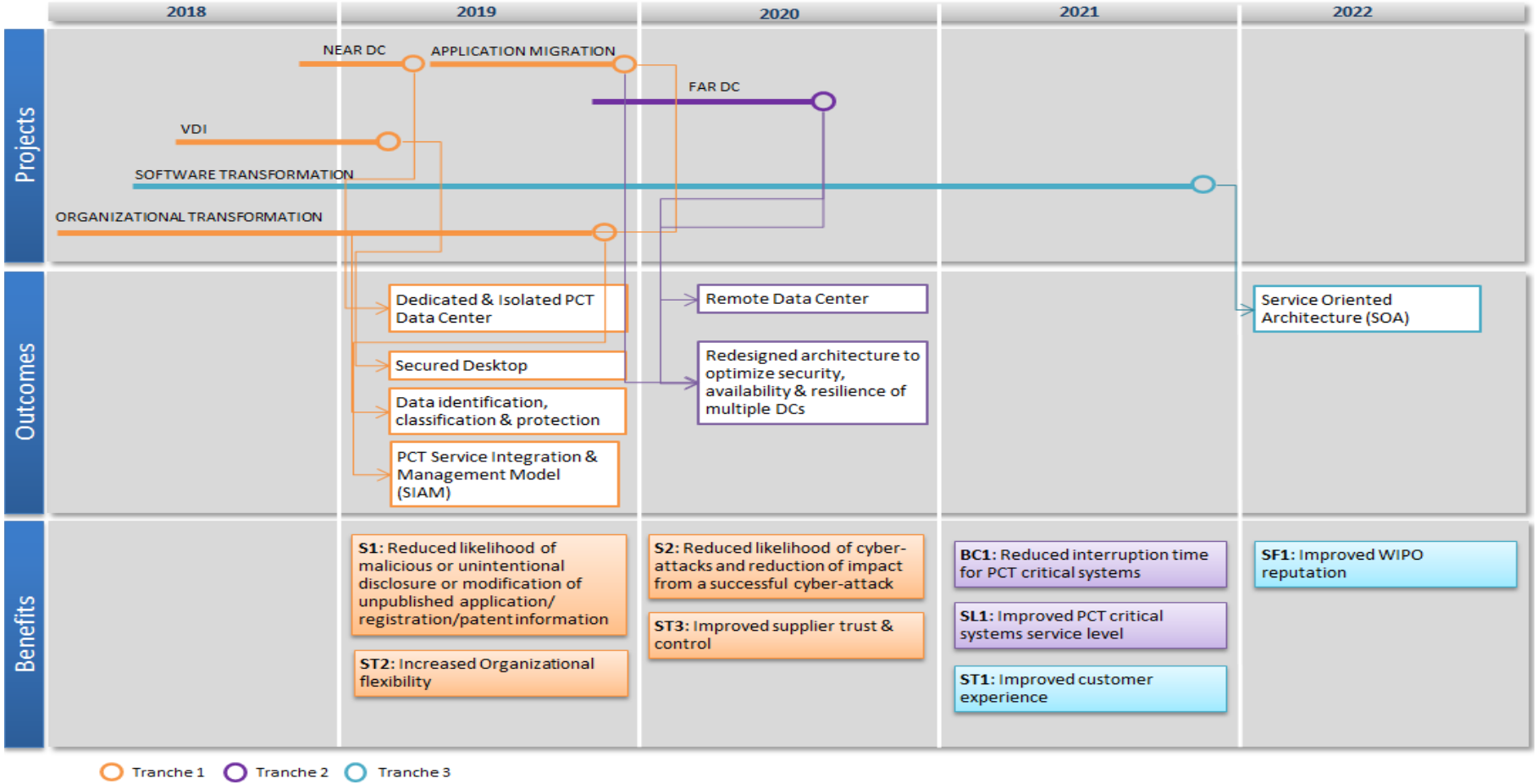
WIPO PCT

PCT DC2

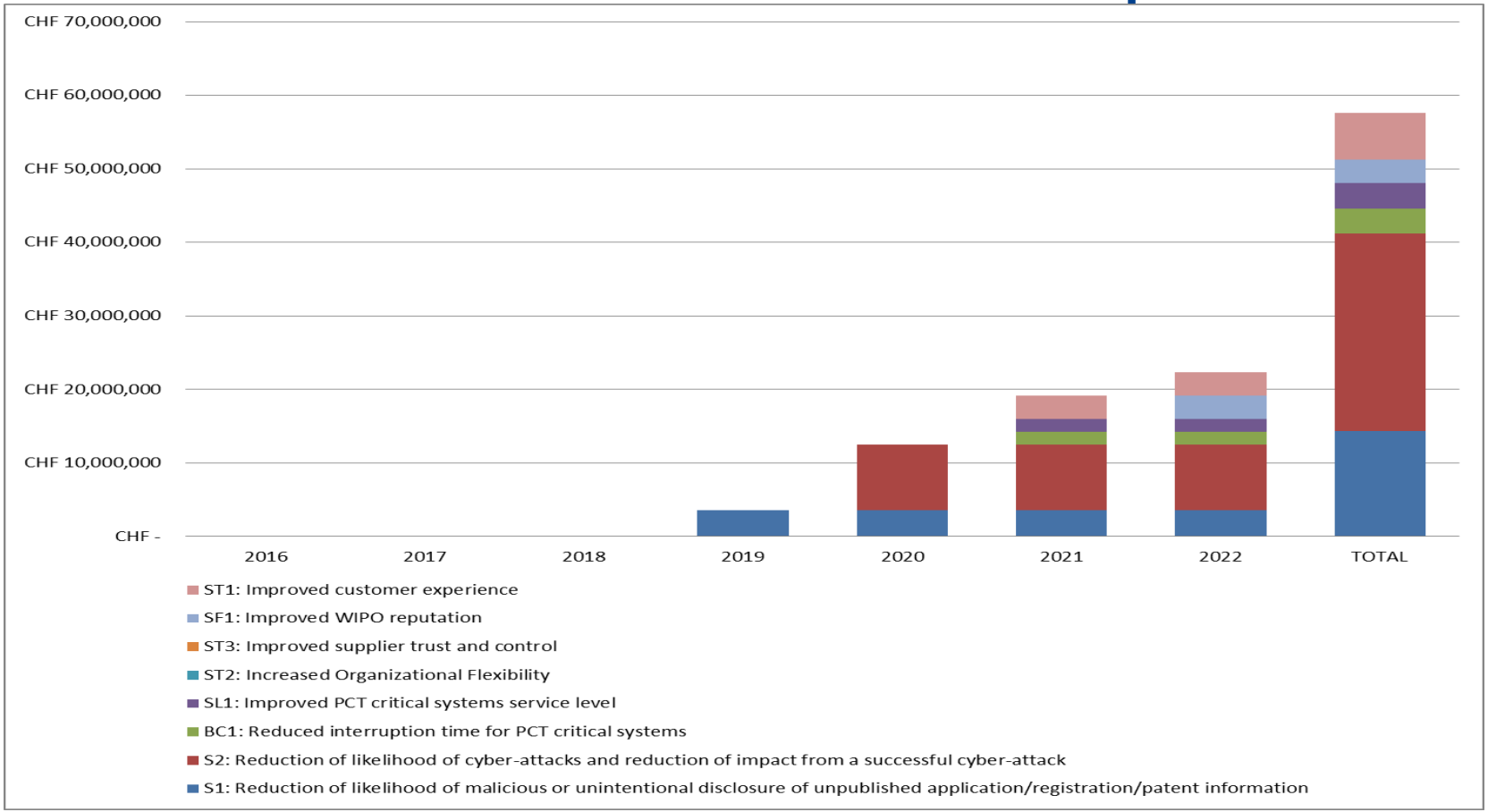
>40 km +

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

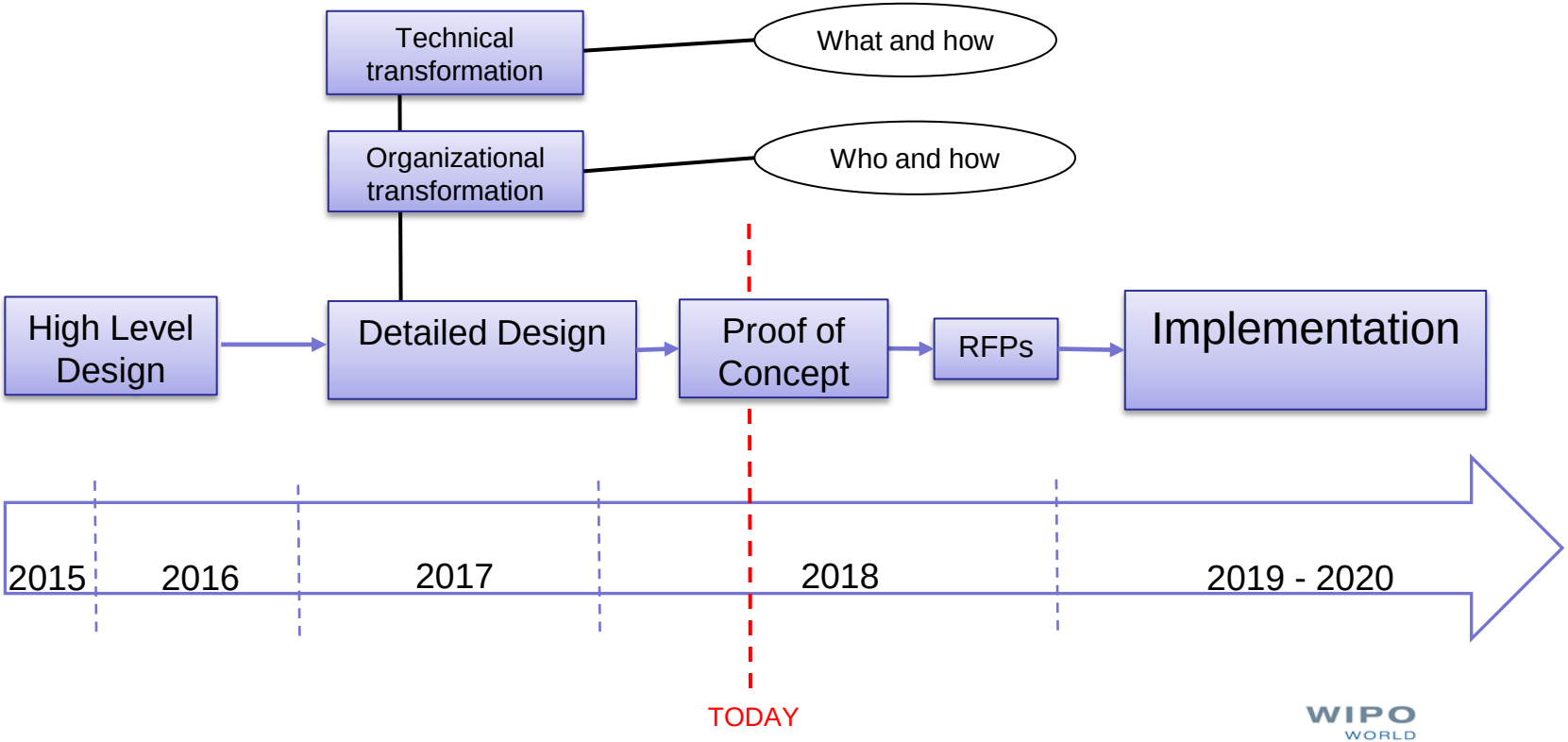
RSP Benefit realization plan



Cumulative benefit business impact



Program timeline



WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION

Lessons learned – Program challenges

- Adapt to regular disruptions: IT landscape evolving rapidly, the program had to adapt (trends on Cloud use, evolution of software architectures).
- Improve our agility in terms of sourcing strategy and application landscape, to avoid vendor lock-in and single points of failures.
- Building our maturity in terms of service management, vendor management, defining our process and procedures, building our knowledge of the local market.

Thank you!

WIPO
WORLD
INTELLECTUAL PROPERTY
ORGANIZATION