AAT
automated
assessment
tool

Registration form
(basic data & GDPR statement)

Advanced online questionnaire

- Online support from experts
- Double answers – one for current situation and future expectations
- Possibility of skipping or postponing difficult questions
- Possibility to freeze answering process with continuation in the future

Creation of attribute values based on quantitative and qualitative answers

DEXi
multi attribute decision modelling system

Automated generation of the report

- Management abstract with tailor-made visualisation of the results
- Comprehensive analysis of self-assessment for current situation and future predictions
- Recommendations based on multiple answer algorithms

Online questionnaire – an example of a question for one indicator

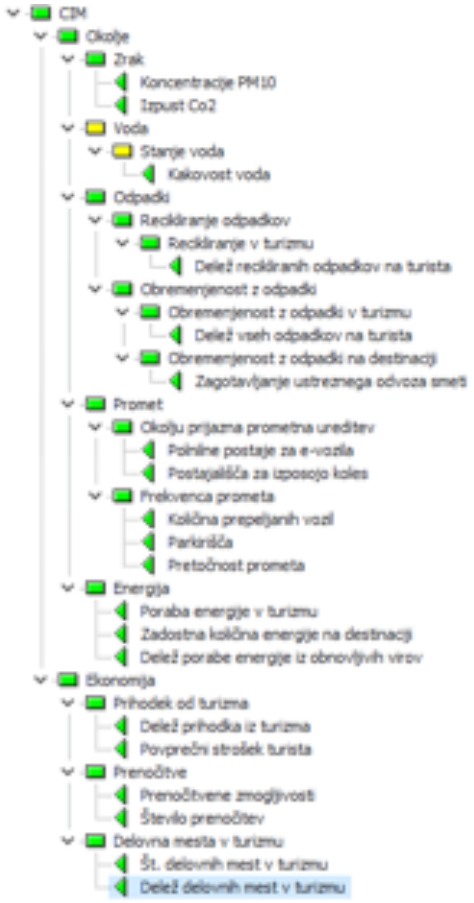
Online questionnaire – an example of a supplemental question for that indicator

DEXi – a hybrid multi-attribute expert decision making system

1. **Aim**: to support complex decision-making tasks, where there is a need to select a particular option from a set of possible ones so as to satisfy the goals of the decision maker.

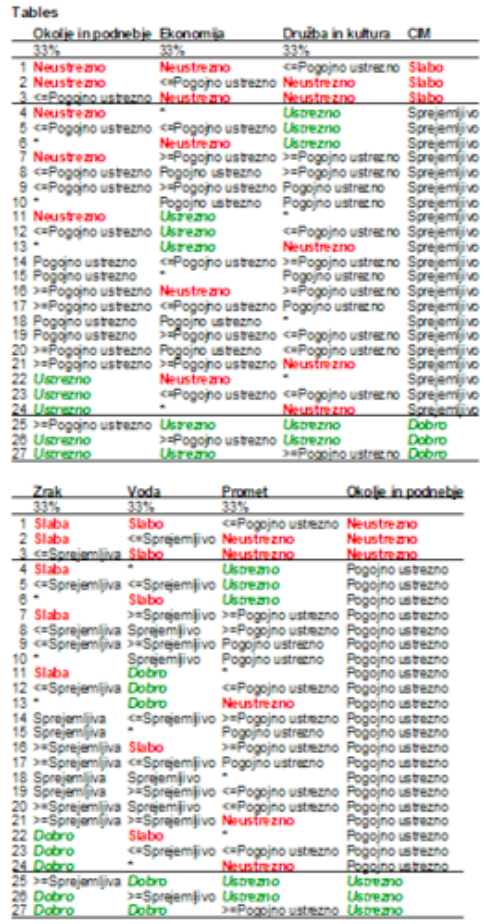
2. **How it works**:
   - decomposes a complex problem to smaller, less complex problems
   - each alternative is evaluated by each attribute and later on composed back to a single value
   - expert systems modelling (if-then rules), which provides transparent explanations of the evaluation

The DEXi process



Option	Trenutno stanje	Želeno stanje
. CIM	Sprejemljivo	Dobro
.. Okolje in podnebje	Pogojno ustrez	Ustrezno
... Zrak	Sprejemljiva	Dobro
.... Koncentracije PM10	Srednja	Nizka
.... Izpust Co2	Visoka	Srednja
.... Izpust Co2 - delež iz neturističnih dejavnosti	Visok	Visok
... Voda	Sprejemljivo	Dobro
.... Čistilna naprava	Pogojno ustrezna	Ustrezna
.... Modra zastava	Pogojno ustrezna	Pogojno ustrezna
... Promet	Pogojno ustrez	Ustrezno
.... Polnilne postaje za e-vozila	Pogojno ustrezno	Pogojno ustrezno
.... Količina prepeljanih vozil	Srednja	Nizka
.... Pretočnost prometa	Sprejemljiva	Odlična
.. Ekonomija	Neustrezno	Ustrezno
... Prihodek iz turizma	Pogojno ustrez	Ustrezno
.... Izdatki turistov	Srednji	Visok
.... Delež prihodkov iz turizma	Srednji	Visok
... Turistične nastanitve	Neustrezno	Ustrezno
.... Število prenočitev	Nizko	Srednje
.... Prenočitvene zmogljivosti	Nizka	Srednja
.. Družba in kultura	Pogojno ustrez	Pogojno ustrez
... Kriminalna dejanja	Nizka	Nizka
... Lokalno prebivalstvo in turizem	Pogojno ustrezno	Pogojno ustrezno
... Kulturni dogodki	Srednji	Srednji
. Pripravljenost (Readiness)	Sprejemljivo	Dobro
.. pOkolje in podnebje	Slabo	Dobro
... pZrak	Sprejemljivo	Dobro
.... pKoncentracijePM10	Dnevno	Dnevno
.... pIzpustCo2	Dnevno	Urno
.... pIzpust Co2 - delez iz neturisticnih dejavnost	Dnevno	Urno
... pVoda	Slabo	Sprejemljivo
.... pČistilna naprava	(Skoraj) nikoli	Tedensko
.... pModra zastava	Občasno	Občasno
... pPromet	Slabo	Dobro
.... pKolicina prepeljanih vozil	(Skoraj) nikoli	Urno
.... pPolnilne postaje za e-vozila	Dnevno	Dnevno (lastni sist
.. pEkonomija	Sprejemljivo	Dobro

Attributes: 47 (29 basic, 0 linked, 18 aggregate) | Scales: 47 | Functions: 18 | Options: 2

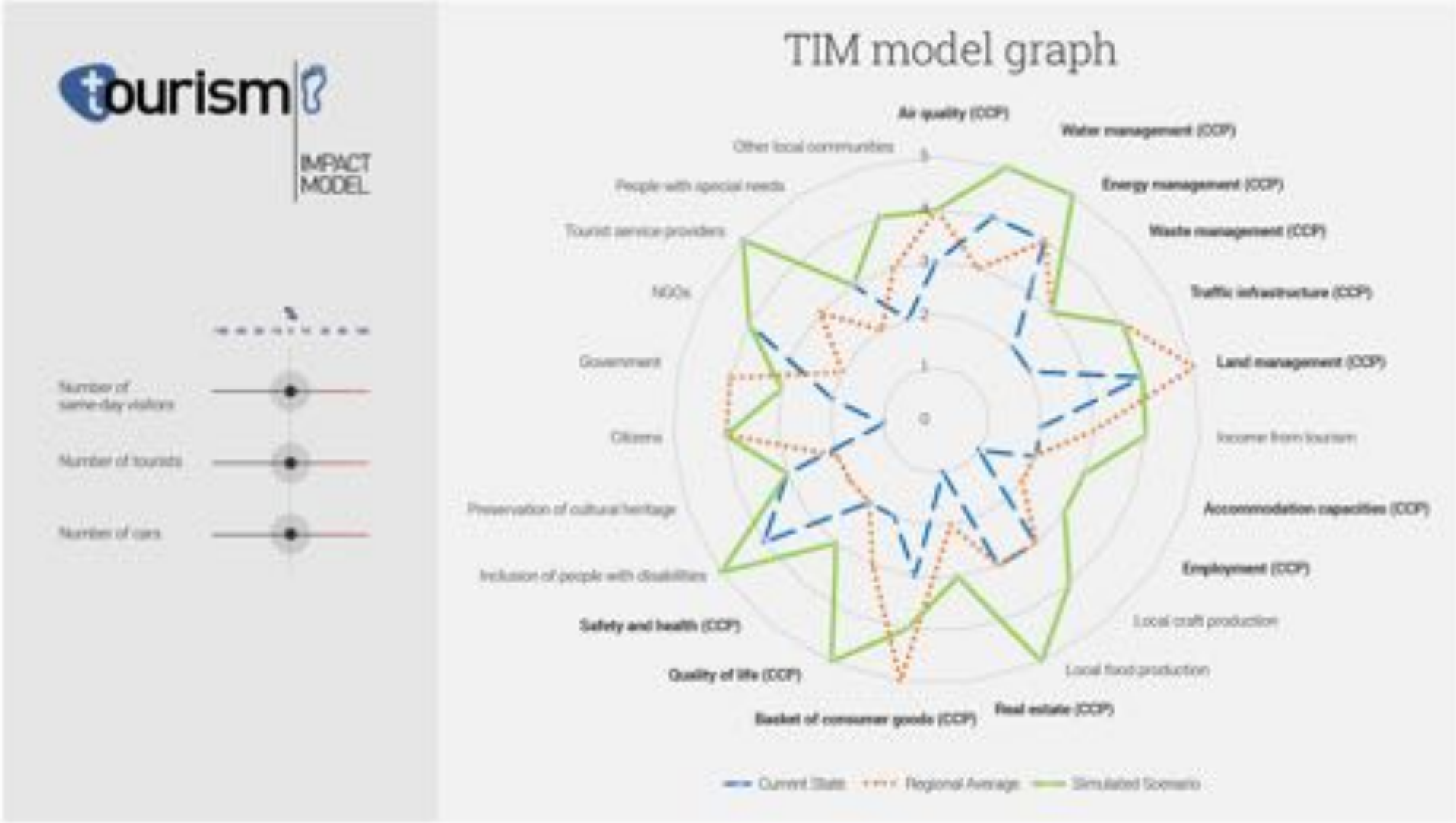


Tables

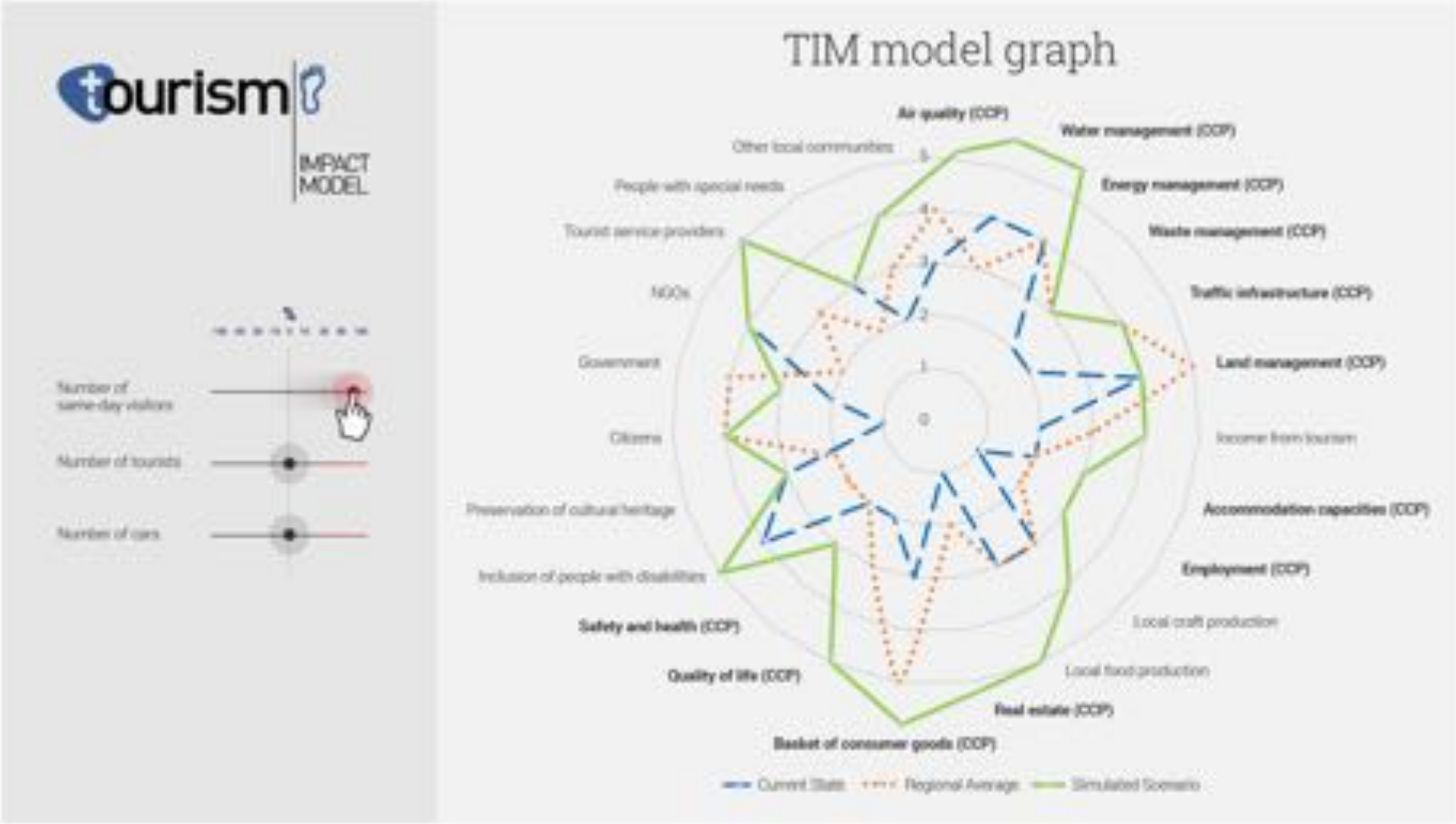
	Okolje in podnebje	Ekonomija	Družba in kultura	CIM
	33%	33%	33%	
1	Neustrezno	Neustrezno	<=Pogojno ustrezno	Slabo
2	Neustrezno	<=Pogojno ustrezno	Neustrezno	Slabo
3	<=Pogojno ustrezno	Neustrezno	Neustrezno	Slabo
4	Neustrezno	*	Ustrezno	Sprejemljivo
5	<=Pogojno ustrezno	<=Pogojno ustrezno	Ustrezno	Sprejemljivo
6	*	Neustrezno	Ustrezno	Sprejemljivo
7	Neustrezno	>=Pogojno ustrezno	>=Pogojno ustrezno	Sprejemljivo
8	<=Pogojno ustrezno	Pogojno ustrezno	>=Pogojno ustrezno	Sprejemljivo
9	<=Pogojno ustrezno	>=Pogojno ustrezno	Pogojno ustrezno	Sprejemljivo
10	*	Pogojno ustrezno	Pogojno ustrezno	Sprejemljivo
11	Neustrezno	Ustrezno	*	Sprejemljivo
12	<=Pogojno ustrezno	Ustrezno	<=Pogojno ustrezno	Sprejemljivo
13	*	Ustrezno	Neustrezno	Sprejemljivo
14	Pogojno ustrezno	<=Pogojno ustrezno	>=Pogojno ustrezno	Sprejemljivo
15	Pogojno ustrezno	*	Pogojno ustrezno	Sprejemljivo
16	>=Pogojno ustrezno	Neustrezno	>=Pogojno ustrezno	Sprejemljivo
17	>=Pogojno ustrezno	<=Pogojno ustrezno	Pogojno ustrezno	Sprejemljivo
18	Pogojno ustrezno	Pogojno ustrezno	*	Sprejemljivo
19	Pogojno ustrezno	>=Pogojno ustrezno	<=Pogojno ustrezno	Sprejemljivo
20	>=Pogojno ustrezno	Pogojno ustrezno	<=Pogojno ustrezno	Sprejemljivo
21	>=Pogojno ustrezno	>=Pogojno ustrezno	Neustrezno	Sprejemljivo
22	Ustrezno	Neustrezno	*	Sprejemljivo
23	Ustrezno	<=Pogojno ustrezno	<=Pogojno ustrezno	Sprejemljivo
24	Ustrezno	*	Neustrezno	Sprejemljivo
25	>=Pogojno ustrezno	Ustrezno	Ustrezno	Dobro
26	Ustrezno	>=Pogojno ustrezno	Ustrezno	Dobro
27	Ustrezno	Ustrezno	>=Pogojno ustrezno	Dobro

	Zrak	Voda	Promet	Okolje in podnebje
	33%	33%	33%	
1	Slaba	Slabo	<=Pogojno ustrezno	Neustrezno
2	Slaba	<=Sprejemljivo	Neustrezno	Neustrezno
3	<=Sprejemljiva	Slabo	Neustrezno	Neustrezno
4	Slaba	*	Ustrezno	Pogojno ustrezno
5	<=Sprejemljiva	<=Sprejemljivo	Ustrezno	Pogojno ustrezno
6	*	Slabo	Ustrezno	Pogojno ustrezno
7	Slaba	>=Sprejemljivo	>=Pogojno ustrezno	Pogojno ustrezno
8	<=Sprejemljiva	Sprejemljivo	>=Pogojno ustrezno	Pogojno ustrezno
9	<=Sprejemljiva	>=Sprejemljivo	Pogojno ustrezno	Pogojno ustrezno
10	*	Sprejemljivo	Pogojno ustrezno	Pogojno ustrezno
11	Slaba	Dobro	*	Pogojno ustrezno
12	<=Sprejemljiva	Dobro	<=Pogojno ustrezno	Pogojno ustrezno
13	*	Dobro	Neustrezno	Pogojno ustrezno
14	Sprejemljiva	<=Sprejemljivo	>=Pogojno ustrezno	Pogojno ustrezno
15	Sprejemljiva	*	Pogojno ustrezno	Pogojno ustrezno
16	>=Sprejemljiva	Slabo	>=Pogojno ustrezno	Pogojno ustrezno
17	>=Sprejemljiva	<=Sprejemljivo	Pogojno ustrezno	Pogojno ustrezno
18	Sprejemljiva	Sprejemljivo	*	Pogojno ustrezno
19	Sprejemljiva	>=Sprejemljivo	<=Pogojno ustrezno	Pogojno ustrezno
20	>=Sprejemljiva	Sprejemljivo	<=Pogojno ustrezno	Pogojno ustrezno
21	>=Sprejemljiva	>=Sprejemljivo	Neustrezno	Pogojno ustrezno
22	Dobro	Slabo	*	Pogojno ustrezno
23	Dobro	<=Sprejemljivo	<=Pogojno ustrezno	Pogojno ustrezno
24	Dobro	*	Neustrezno	Pogojno ustrezno
25	>=Sprejemljiva	Dobro	Ustrezno	Ustrezno
26	Dobro	>=Sprejemljivo	Ustrezno	Ustrezno
27	Dobro	Dobro	>=Pogojno ustrezno	Ustrezno

TIM result and usage



TIM result and usage

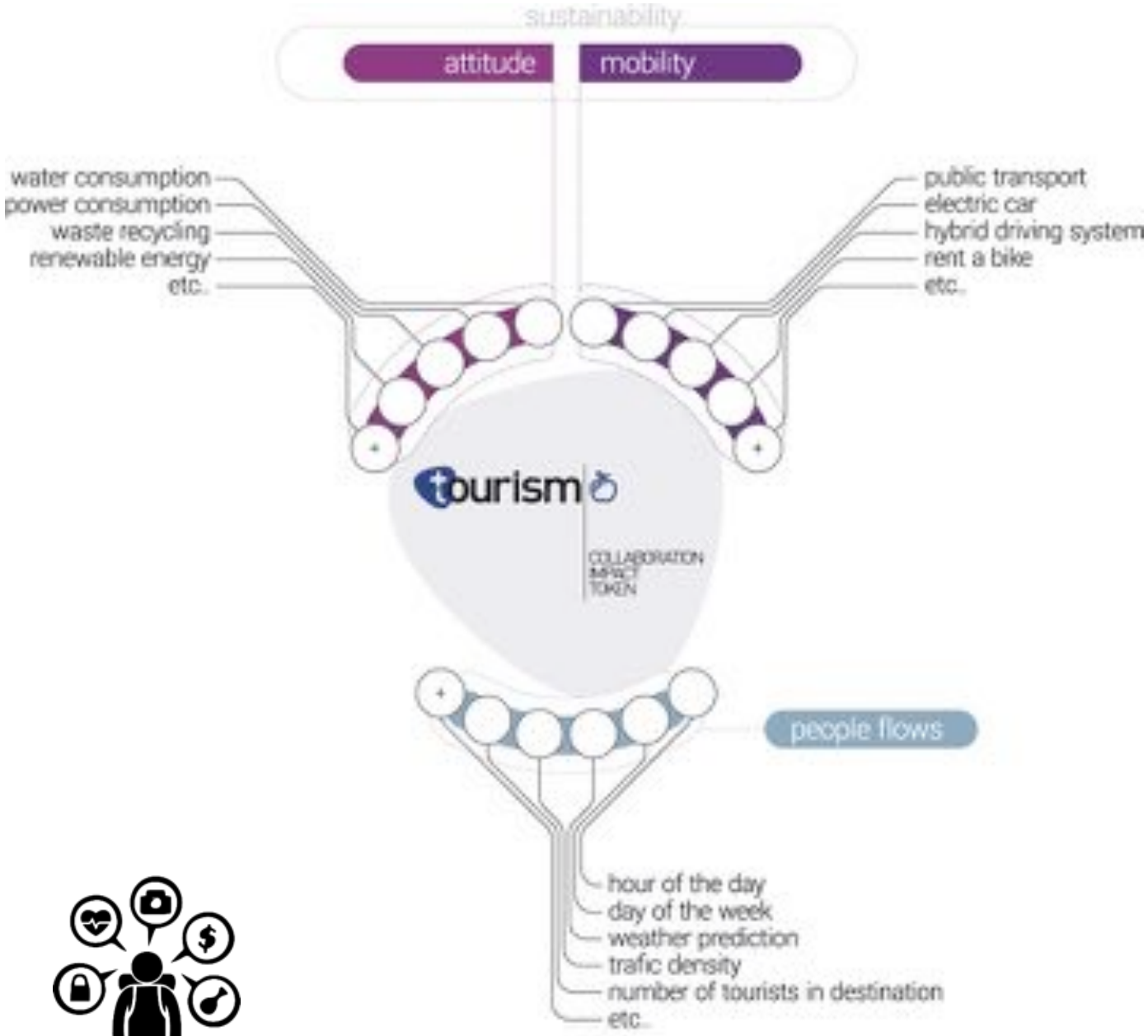


tourism

COLLABORATION
IMPACT
TOKEN

A Crypto Token based on Blockchain and AI as a tool for:

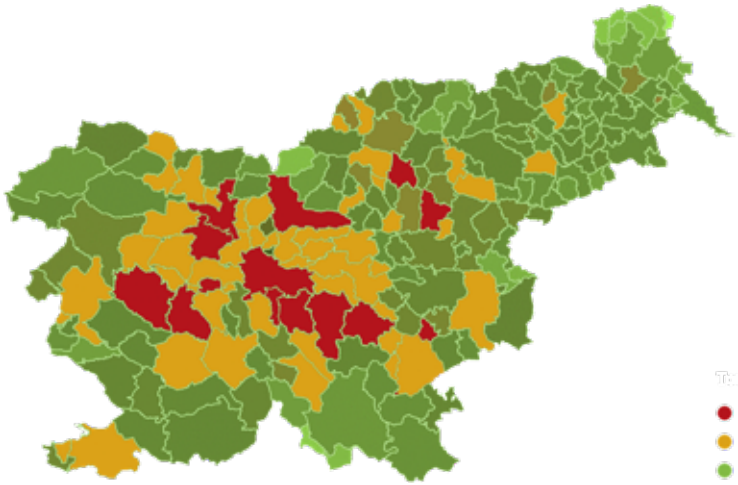
- Awarding Tourist T4.0 and tourism service providers T4.0 for their positive impact behaviour
- An alternative internal or external payment system
- Management and optimisation of tourist flow by Dynamic Cryptocurency Exchange Value™

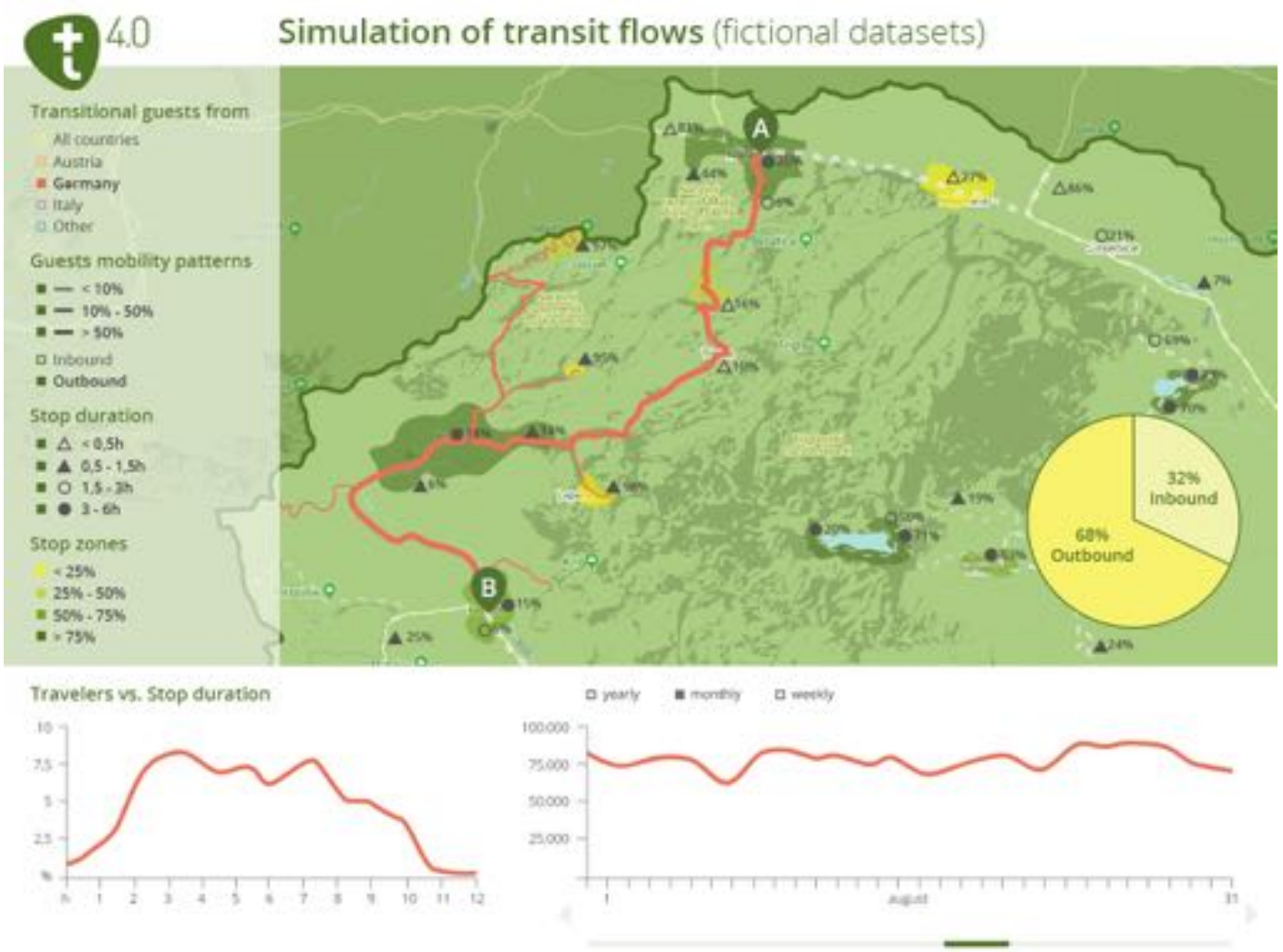


COLLABORATION
IMPACT
TOKEN

Tourist Flows

Influencing tourist flows & behavior





tourism

PERSONAL DIGITAL PASSPORT

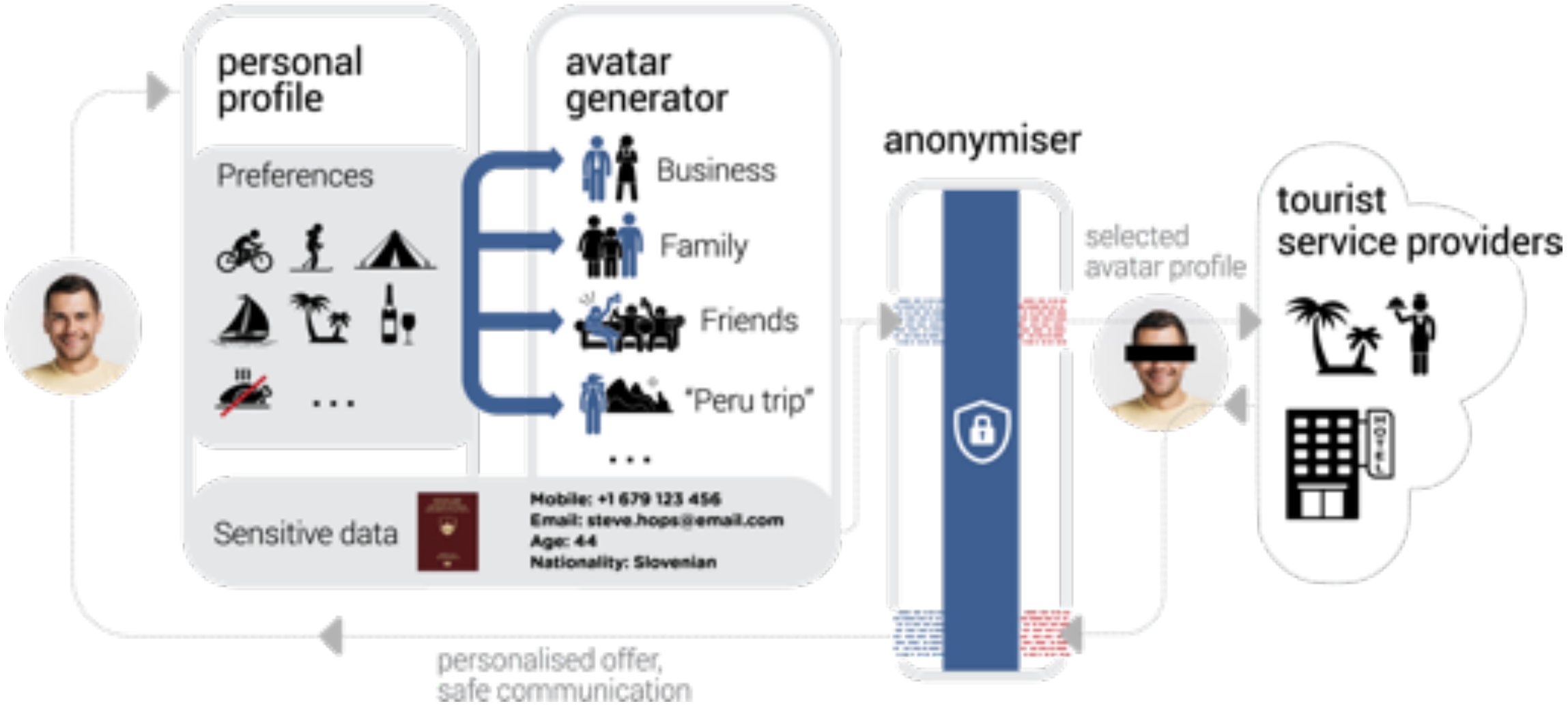
A GDPR compliant personal crypto passport enabling:

- Personal profile building tool
- Encrypted cold wallet for personal data and profile
- Safe and secure reveleance of selected personal data with time-depending erasure

tourism

PERSONAL
DIGITAL
PASSPORT

DOTI



tourism 4.0
HERITAGE+

Roadmap to tourism 4.0 HERITAGE+

Museum as a collection-holder and presenter

Museum as a learning hub & a community-builder

The end of museum – as we know it

Analog

Cultural heritage as-it-is + additional information

Digitisation

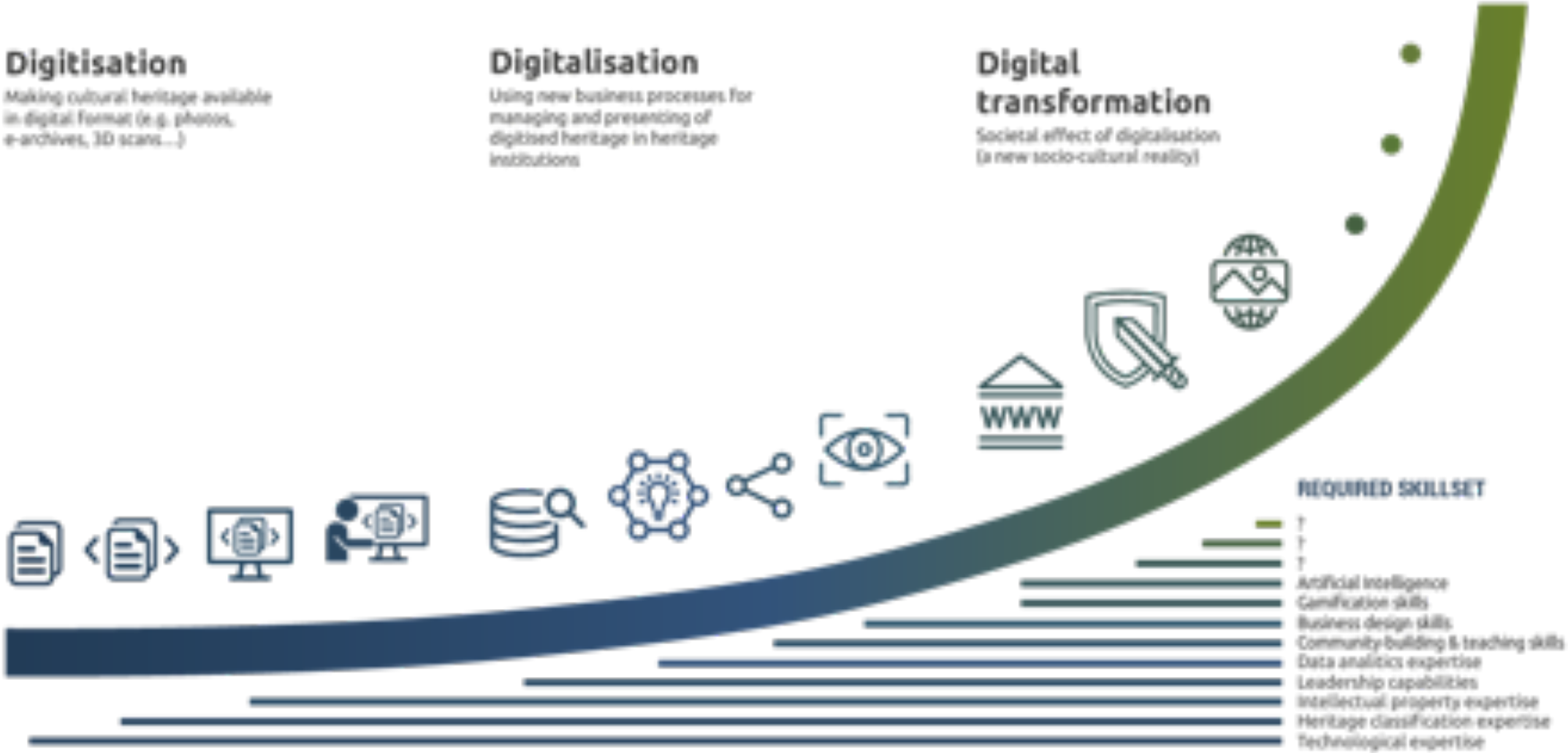
Making cultural heritage available in digital format (e.g. photos, e-archives, 3D scans...)

Digitalisation

Using new business processes for managing and presenting of digitised heritage in heritage institutions

Digital transformation

Societal effect of digitalisation (a new socio-cultural reality)



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