

COMMIT2DATA

**National Public-Private
Big Data Research and
Innovation Program**

NATIONAL BIG DATA RESEARCH AND INNOVATION PROGRAM



The chances for Big Data

10%

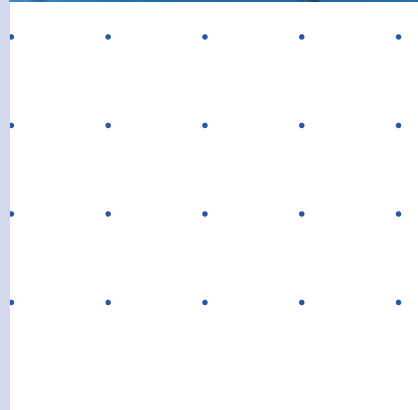
The growth of the Big Data market is 10% per year: six times the IT-market

- New services, products, partners and business models
- Solutions for societal challenges
- New ways of (multidisciplinary) research

50%

Manufacturing: up till 50% cost reduction in development and assembly

- Breakthrough in applications
- Encourage excellence in research and extend it to public-private partnerships
- Reinforce involvement of small and medium enterprises
- Talent development: more data specialists at all levels
- Reinforce knowledge and it's applicability basis in The Netherlands





Commit2Data for data science

FOR:

Businesses that innovate through data science research and development.

WHY:

- Apply new ways of research
- New instruments for data analysis
- Access to leading researchers and talent
- Cross-sectoral use of knowledge and inspiration

Commit2Data for societal challenges

FOR:

Organizations that perceive Big Data as a solution for societal challenges and organizations that innovate with Big Data responsibly.

WHY:

- For a direct dialogue with science and businesses that develop solutions
- Gives access to companies that collect, administer and/or use data
- Gives direction to research and technical solutions
- Co-create conditions in which data can be shared in chains and networks of companies, semi-public institutions and research institutes

Commit2Data for data-enabled business

FOR:

Businesses and organizations that (want to) use Big Data to innovate their products and services.

WHY:

- Activation of data
- Explore added value of data
- Collect knowledge and experience with data solutions
- Access to best practices
- Experiment in a safe environment
- Use external data sources for own business

Commit2Data for Big Data solutions

FOR:

Businesses that develop Big Data technologies, services and consultancy for others: from startups to large companies.

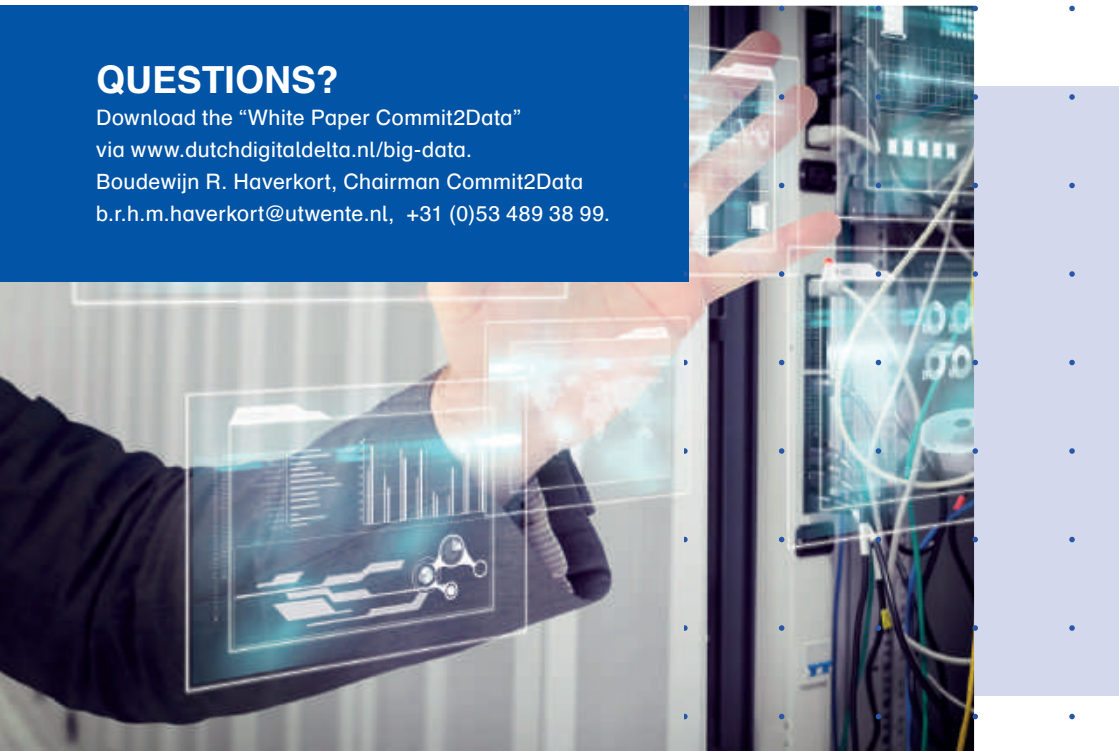
WHY:

- Gives access to scientific research
- Achieve (golden) demonstrators of data science research
- Co-operation with organizations that face data challenges
- Co-operation with (research) talent

QUESTIONS?

Download the "White Paper Commit2Data" via www.dutchdigitaldelta.nl/big-data.

Boudewijn R. Haverkort, Chairman Commit2Data
b.r.h.m.haverkort@utwente.nl, +31 (0)53 489 38 99.





Working together on successful Big Data activities

From the vision that each individual organization can improve itself when the position of others in its chain, sector, region and The Netherlands as a whole are also improved, we ask from our participants:

- to share with others;
- to learn from others;
- to formulate questions together;
- to co-finance (in cash and/or kind).

It is also desirable for a participant to have:

- the ambition to make a difference with Big Data;
- knowledge of ICT and business processes;
- data sources available, in- or outside their own organization.

Commit2Data aims to strengthen current initiatives and to liaise with European and regional activities and funds.



HOW TO PARTICIPATE?

Three program lines for innovation

Commit2Data has three program lines:

- *Knowledge development*: multiyear private-public collaboration based on co-financing by participants.
- *Valorisation*: shorter projects for specific applications with knowledge partners and technology transfer organizations.
- *Dissemination*: short-term projects, i.e., through data factories, hands-on sessions with data sets and tools from suppliers.

Several program lines can also be combined.

- Dutch (semi) public infrastructure of for instance, SURF and TNO, can be used in all program lines.
- Both sector-driven and technology-driven.

THREE PROGRAM LINES

	Knowledge Development / Science	Valorization	Dissemination
Aim	Use-inspired knowledge development. Pre-competitive. PhD topics. Strategic knowledge development for companies and the Netherlands.	Valorisation, platforms, tools. Aiming also at high-tech SME and start-ups.	Spreading knowledge and use of platforms, tools to data owners and low-tech. Data factories. "How to" workshops. Role models.
Percentage of Commit2Data	70%	20%	10%
Typical duration of projects	> 3 year	1 - 18 months	few days – weeks
Number of activities (5yr)	5 - 10 subprograms.	50 -70 projects.	Between 4-6 regional Big Data Factories 100 SME projects in data factory.
Consortium composition	Subprograms involving one to several private partners and several knowledge institutes.	One or two high-tech private partners and one or two knowledge institutes.	Single (SME) company possibly coupled to tech company.
Partners involved	Companies, public organizations.	Single (high tech) company. Startups.	Single company (SME, Startup). Regional networks.
Universities. CWI. TNO. NLeSC.	Universities, NLeSc, HBO, TNO.	TNO, HBO, NLeSC, CBS, KvK, EIT Digital.	TNO.
Staffing	PhD level.	Scientists and engineers. Domain specialists.	Engineers. Case and domain specialists.
TRL	2 - 4	2/3 – 5	3 - 5/6
Budget Range	> M€ 2 per subprogram, sizable coherent projects	k€ 50 - 250	< k€ 50
Intellectual Property	Customized. IP-arrangement depends on % private funding. Guidelines available separately.	Customized. We aim for FAIR principles: findability, accessibility, interoperability, reusability of data. Guidelines available separately.	No IP developed.
Data Access	Customized. We streven naar FAIR principles: findability, accessibility, interoperability, reusability van data.	Customized. We aim for FAIR principles: findability, accessibility, interoperability, reusability of data.	Not applicable.
Funding	Option 1: Private 50% upfront cash commitment, subprogram level. Option 2: Private 30% (cash & in-kind), project level.	Private 50% cash, project level.	Private > 20% cash, project level.
	Public funds (50, 70%) through NWO, TNO, EZ, ...	Public funds (50%) through NWO (NLeSC), TNO, EZ, ...	Public funds (80%) through TNO, EZ, ...