



ЕВРОПЕЙСКИ СЪЮЗ
ЕВРОПЕЙСКИ ФОНД ЗА
РЕГИОНАЛНО РАЗВИТИЕ



ОПЕРАТИВНА ПРОГРАМА
НАУКА И ОБРАЗОВАНИЕ ЗА
ИНТЕЛИГЕНТЕН РАСТЕЖ

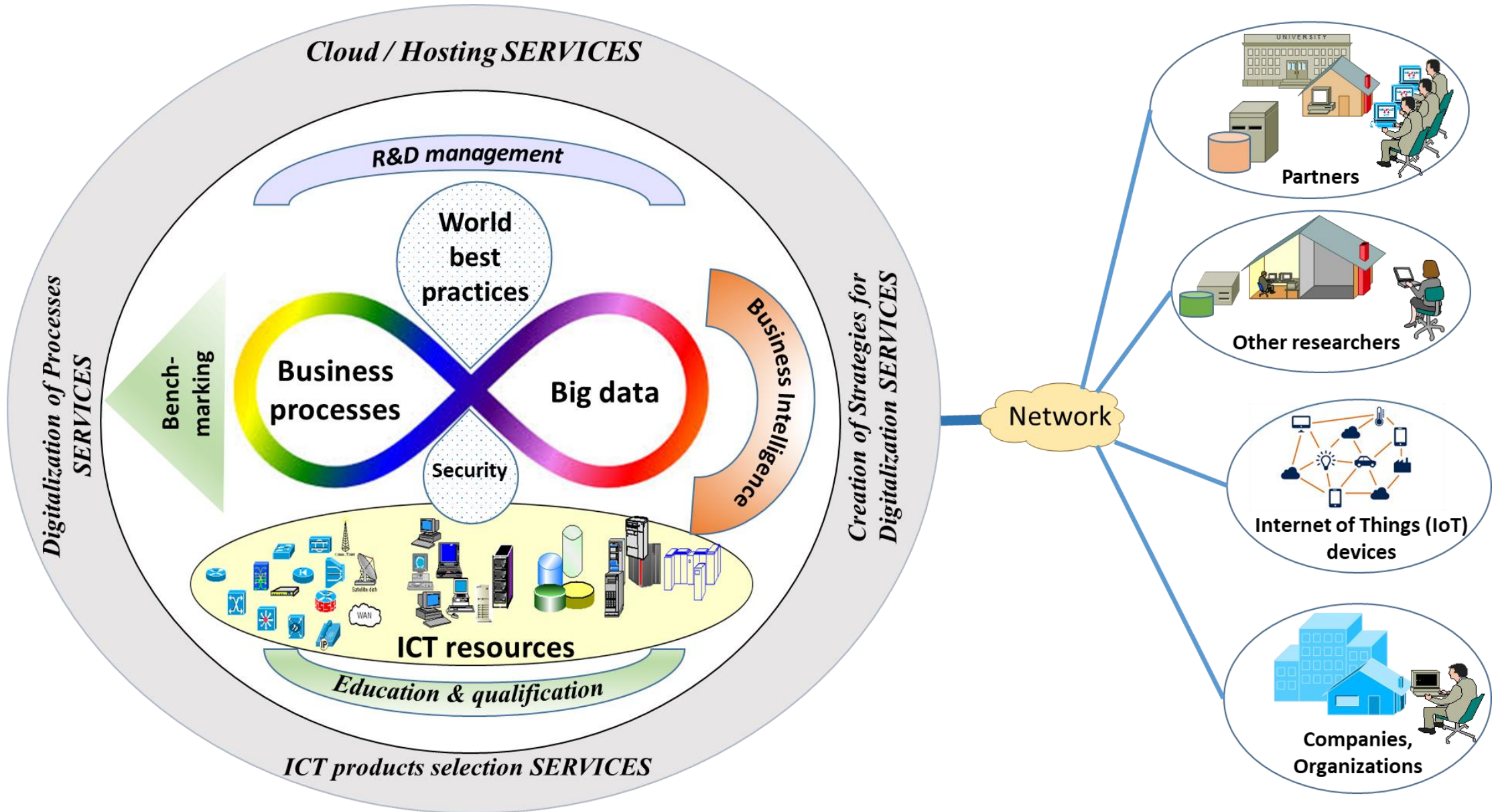
The Center of Competence (CoC) is established according to

Procedure BG05M2OP001-1.002 „Establishment and development of competence centers"
Operational Program "Science and Education for Smart Growth" 2014 - 2020

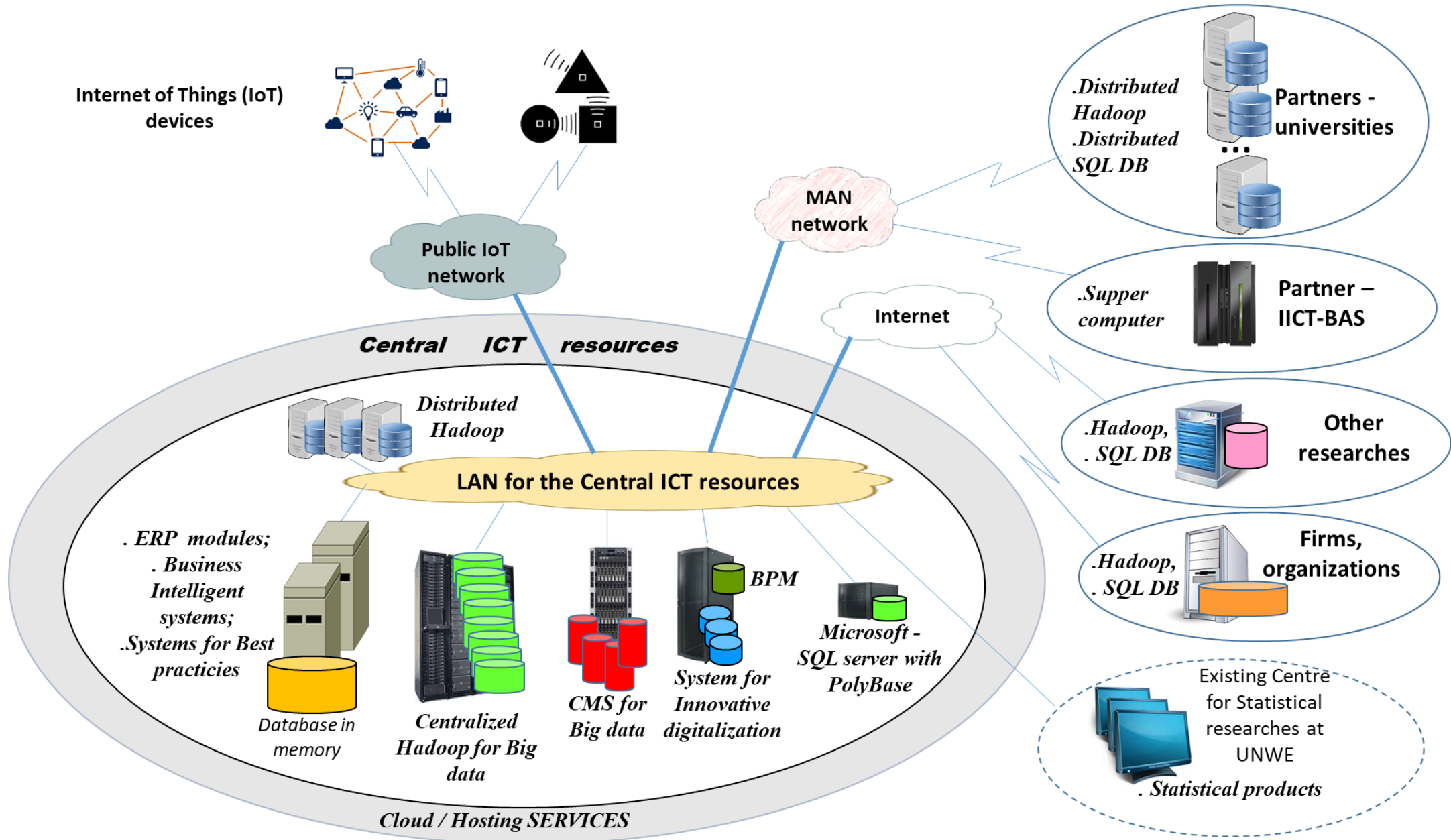
Project BG05M2OP001-1.002-0002 „Digital transformation of Economy in Big Data environment“



Functional Architecture of the CoC



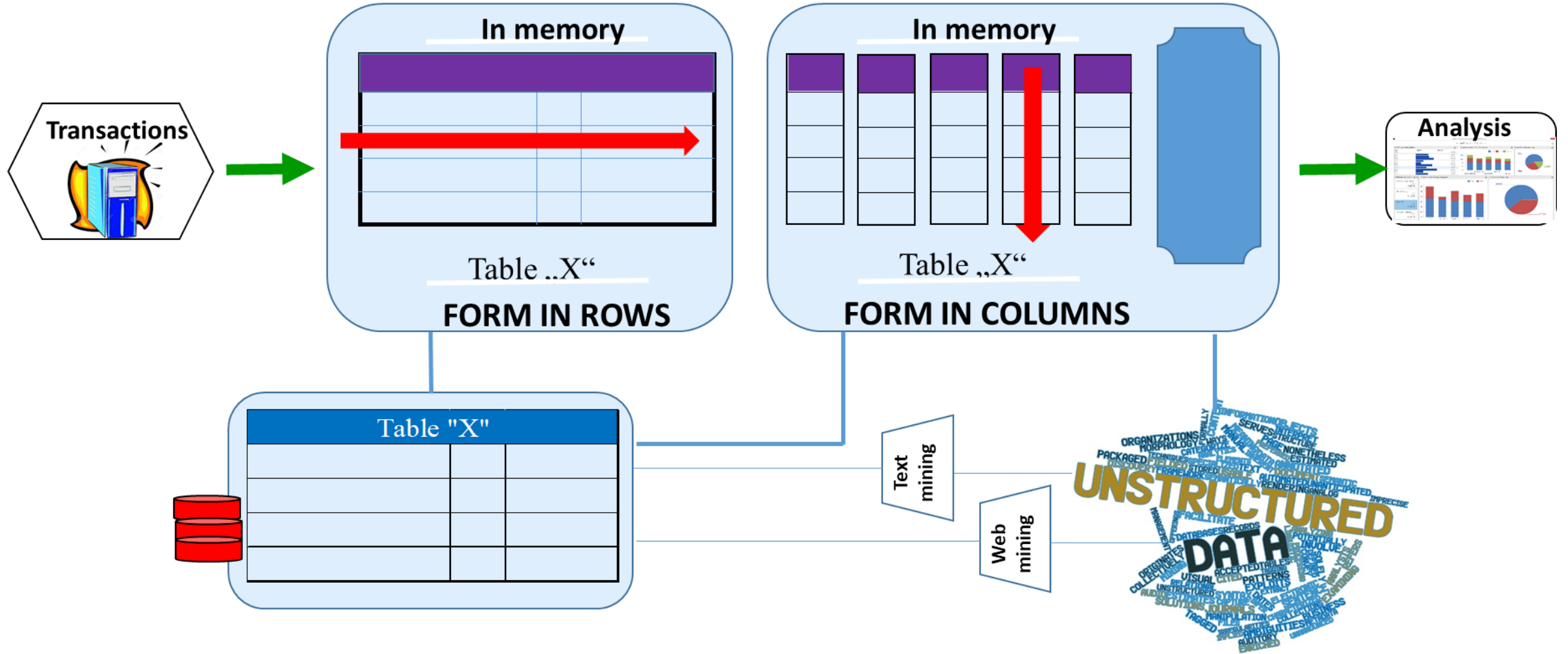
Conceptual ICT architecture of the CoC



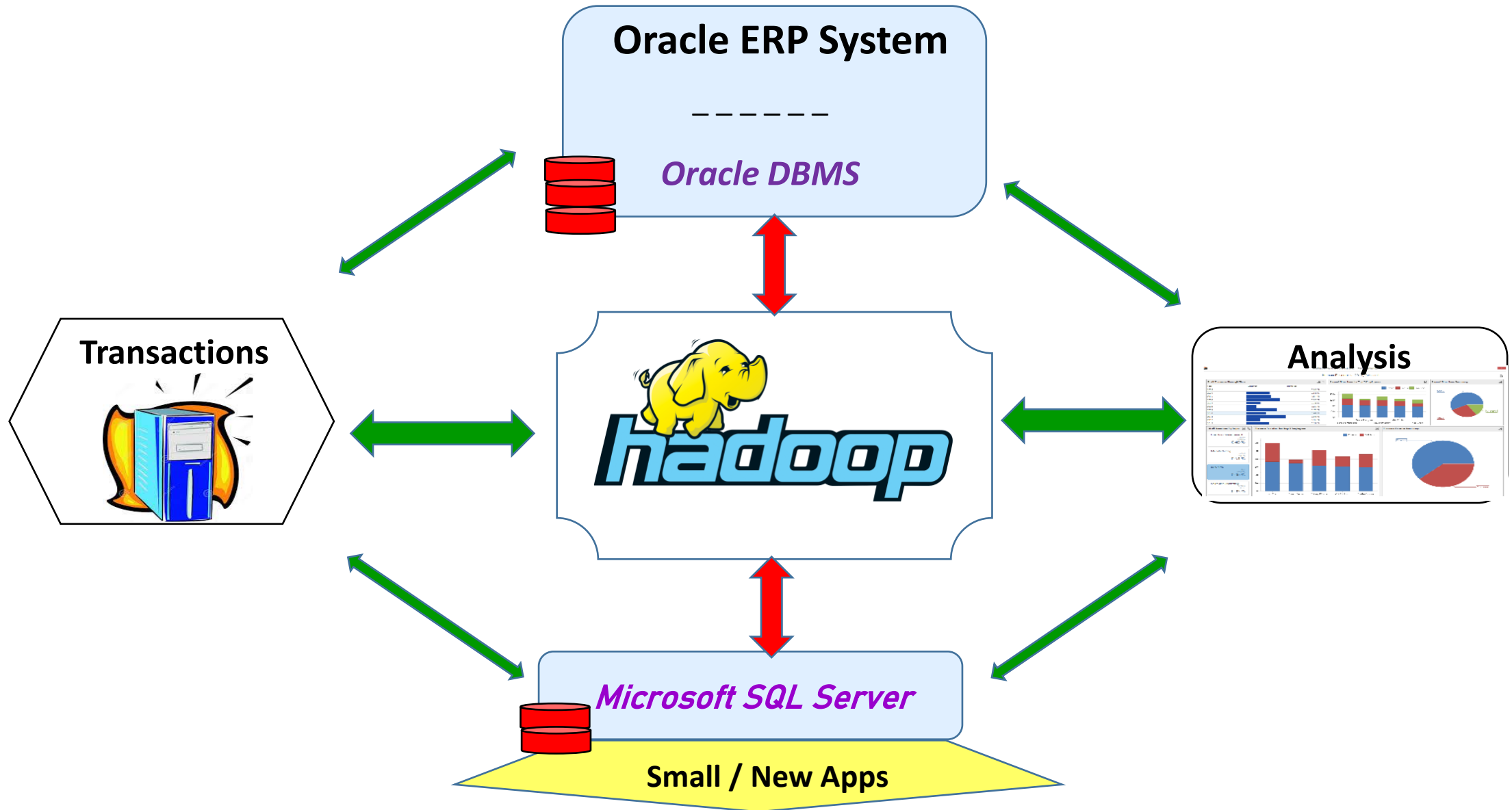
Central system – Physical layout



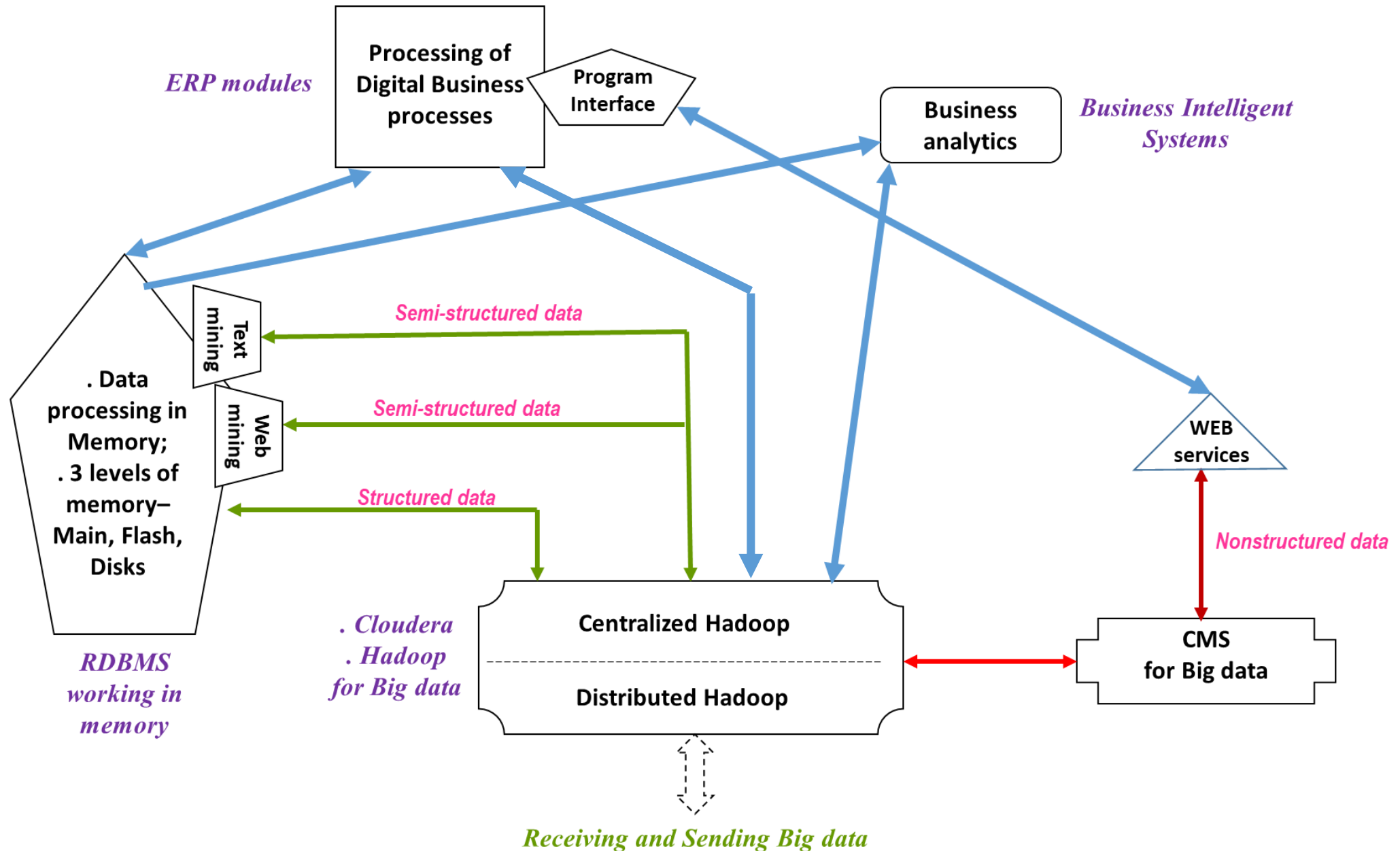
Application of the Principle of Database / Processing in memory



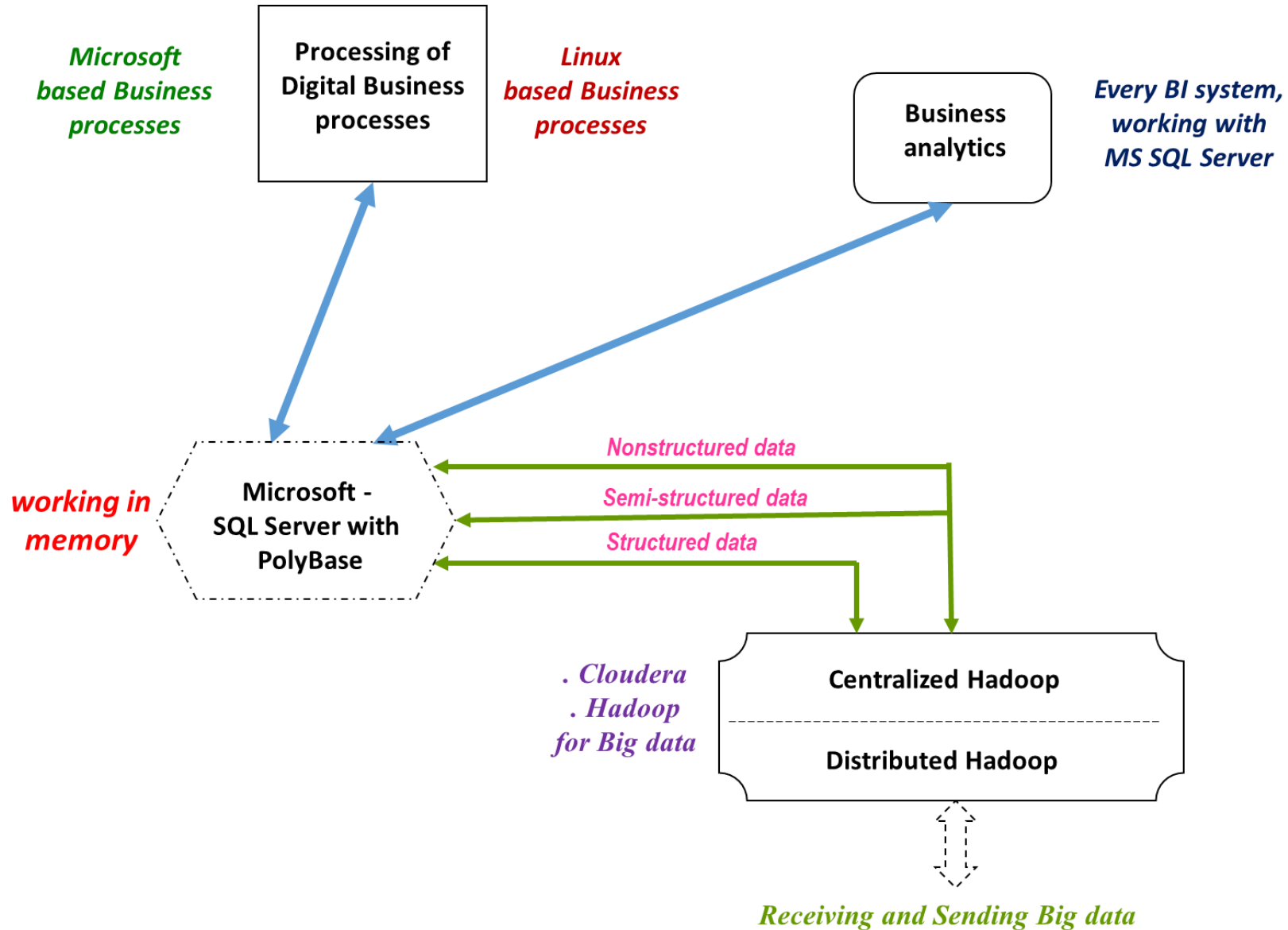
Business Applications using Big Data



Conceptual schema for Big data treatment



Creation of Business processes with Big data for SME, incl. from scratch



Main business areas on focus

#	Business / Economical areas
1	Accounting and asset management
2	Financial Management
3	Logistics, Transport, Supply Chain Management (SCM)
4	Marketing, sales, order management and customer relationship management (CRM)
5	Human Resources
6	Real Estate Management (Building-Construction Management)
7	Manufacturing
8	Management and organization of IoT and warehouse management

No	Additional functional area - area of impact	
1	Macroeconomics	

Offered Research and Development Services

- Services creating digitization strategies
- Process digitization services
- ICT product selection services
- The services for providing the resources of the Center for Competence for conducting research

Offered System and Applied-Research services

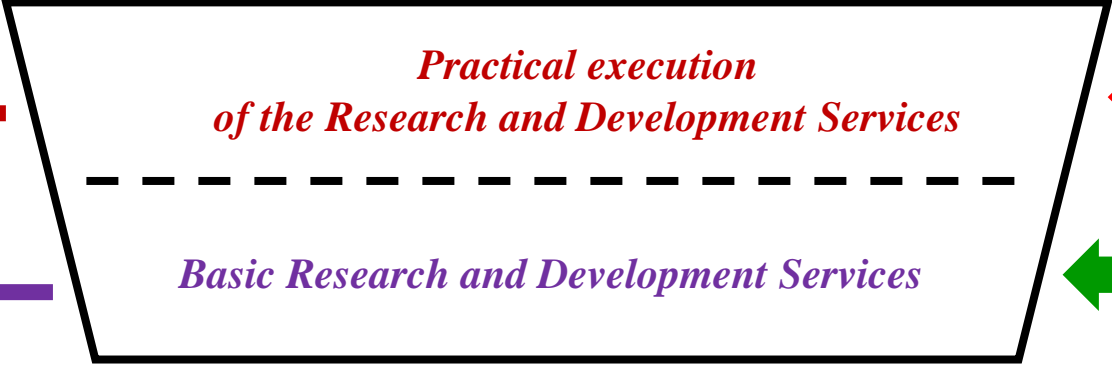
- Design of hardware systems related to big data processing
- Design of methods, models and algorithms for big data processing
- Integrate big data into digitalized business processes
- Design of computer components for big data processing

Providing of Research and Development Services

RESULTS

Delivered services

Frameworks



. Researchers from the CoC
. Researchers using the CoC

. Developers in the CoC

Providing of Systems and Applied Research Services

Delivered services

ICT Products prototypes



. Researchers from the CoC
. Researchers using the CoC

. Developers in the CoC

Q & A

