DataBench

# DataBench Toolbox

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## Virtual BenchLearning

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# DataBench Toolbox

**The DataBench Toolbox is a one-stop-shop for Big Data Benchmarking offering multiple benefits for different kind of users and businesses**

## Benchmark Providers

- Reach a larger audience
- Being able to automate their deployment

## Technical Users

- One-stop shop to find benchmarking tools
- Possibility of deploying benchmarks

## Business Users

- Finding interesting knowledge about BD tools and benchmarks
- Getting extra hints on metrics and info from their sectors/use cases

## PPP Projects

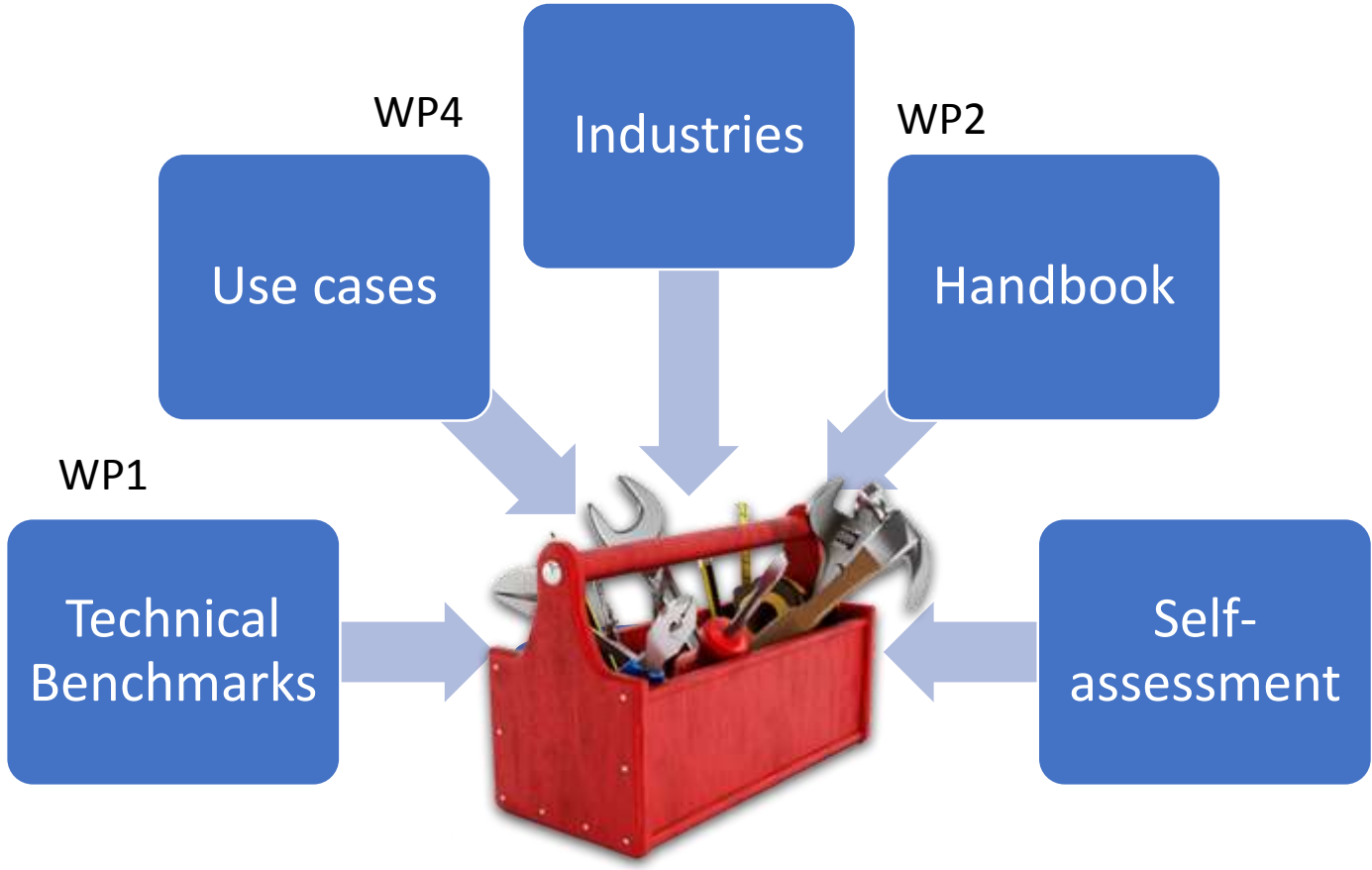
- End users of both types: Technical and Business
- Our main target for testing within the project lifetime

BIG DATA VALUE

# A “box of tools”

- The Toolbox gives access to most DataBench results
  - Catalogue of Technical Benchmarks
  - Business performance benchmarks
    - By Industry
    - By Use Cases
  - Knowledge base (Nuggets)
  - Self-assessment tool
  - Project Handbook

- Shortcuts to knowledge
  - User  journeys for different users
  - Architectural Blueprints
  - FAQs



# From searching benchmarks/knowledge to running experiments

DataBench

## Knowledge Nuggets

- Business KPIS
- Quantitative / Qualitative benchmarks per industry and use case
- Star performers
- Business features matrix
- Technical benchmarks matrix
- Architectural blueprints per industry/use case
- Benchmarking communities
- …

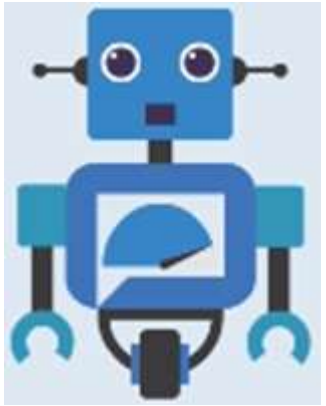
## Searchable benchmarks

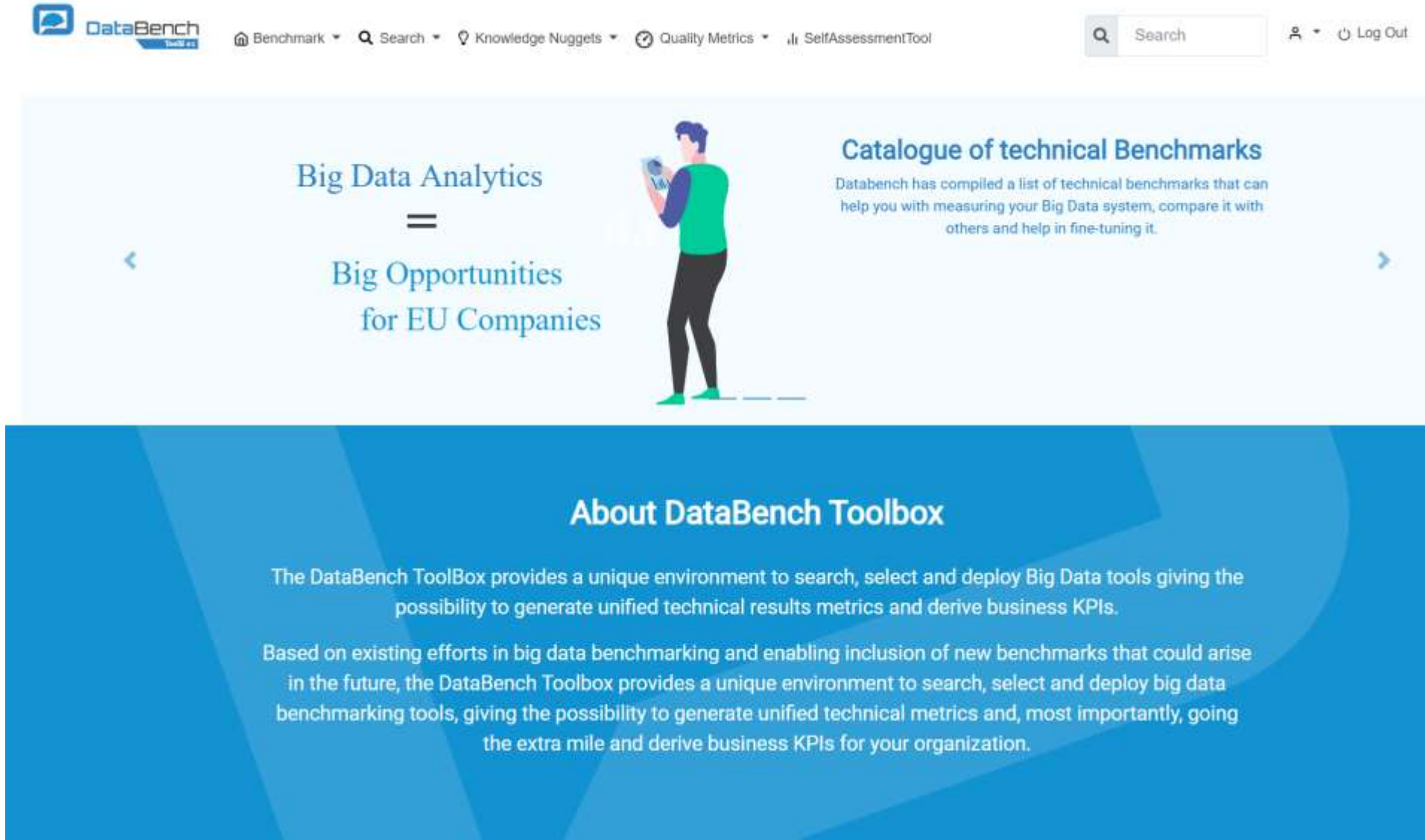
- HiBench
- SparkBench
- YCSB
- TPCx-IoT
- Yahoo Streaming Benchmark
- BigBench V2
- TPC-H
- TPC-DS
- Hadoop Workload Examples
- PigMix
- Social Network Benchmark
- WatDiv
- Sanzu
- BigDataBench
- AIBench
- Edge AI Bench
- HPC AI500
- ...

## Runnable benchmarks

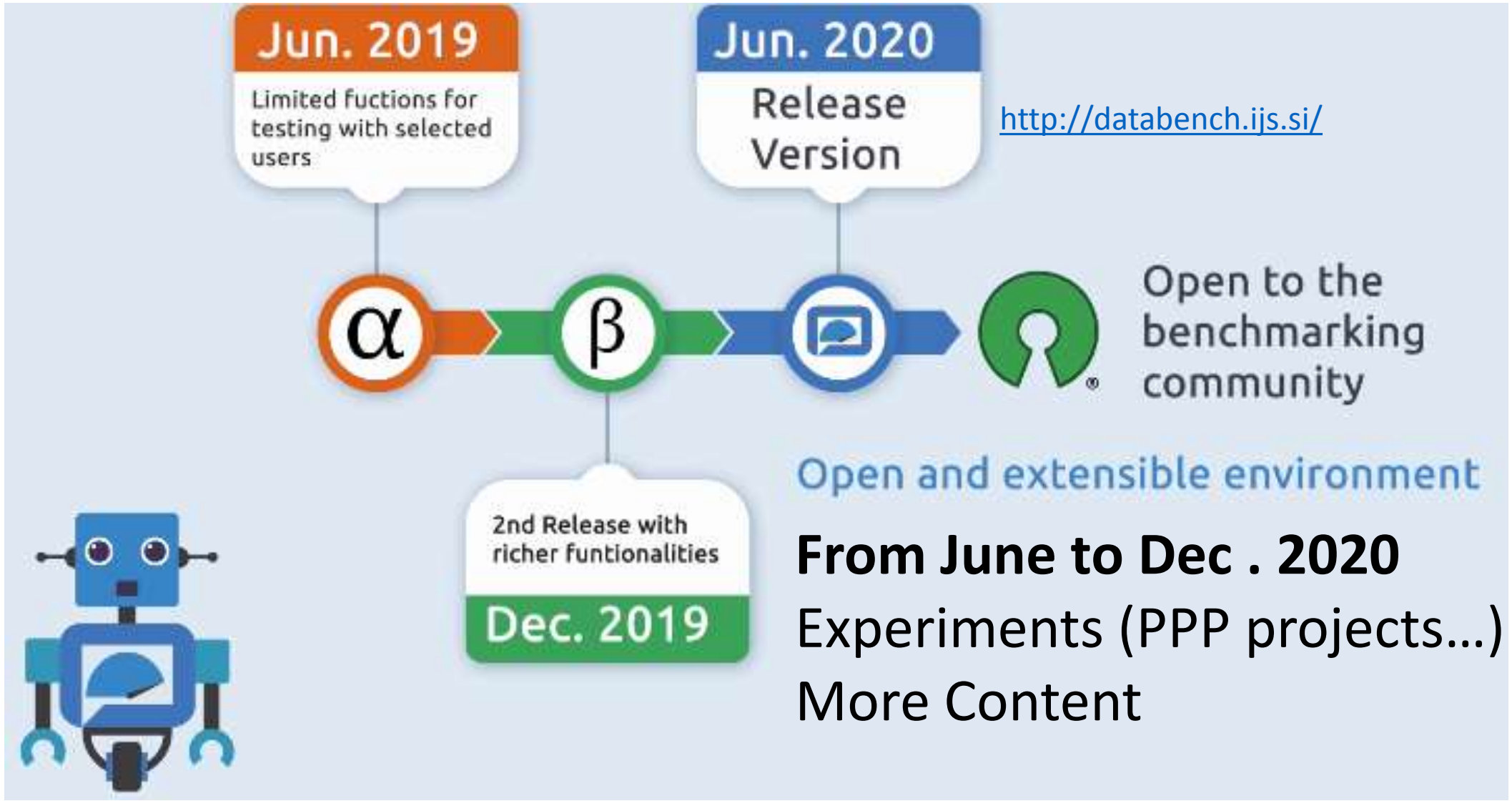
- HiBench
- YCSB
- Yahoo! Streaming
- …

# Demo time




DataBench
Benchmark
Search
Knowledge Nuggets
Quality Metrics
SelfAssessmentTool
Search
Log Out
Big Data Analytics
=
Big Opportunities
for EU Companies
Catalogue of technical Benchmarks
Databench has compiled a list of technical benchmarks that can help you with measuring your Big Data system, compare it with others and help in fine-tuning it.
About DataBench Toolbox
The DataBench ToolBox provides a unique environment to search, select and deploy Big Data tools giving the possibility to generate unified technical results metrics and derive business KPIs.
Based on existing efforts in big data benchmarking and enabling inclusion of new benchmarks that could arise in the future, the DataBench Toolbox provides a unique environment to search, select and deploy big data benchmarking tools, giving the possibility to generate unified technical metrics and, most importantly, going the extra mile and derive business KPIs for your organization.

# Next Steps


Jun. 2019
Limited fuctions for testing with selected users
Jun. 2020
Release Version
http://databench.ijs.si/
α
β
Open to the benchmarking community
2nd Release with richer funtionalities
Dec. 2019
Open and extensible environment
From June to Dec . 2020
Experiments (PPP projects…)
More Content

# Contacts

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DataBench Project

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Evidence Based Big Data Benchmarking to Improve Business Performance

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