

TETRACOM: Technology Transfer in Computing Systems



FP7 Coordination and Support Action to fund 50 technology transfer projects (TTP) in computing systems. This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n^o 609491.

ACCELERATED GENOME-BASED DIAGNOSTICS

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TTP Problem

CHALLENGE 1

Sequencing data grows faster that storage capacity

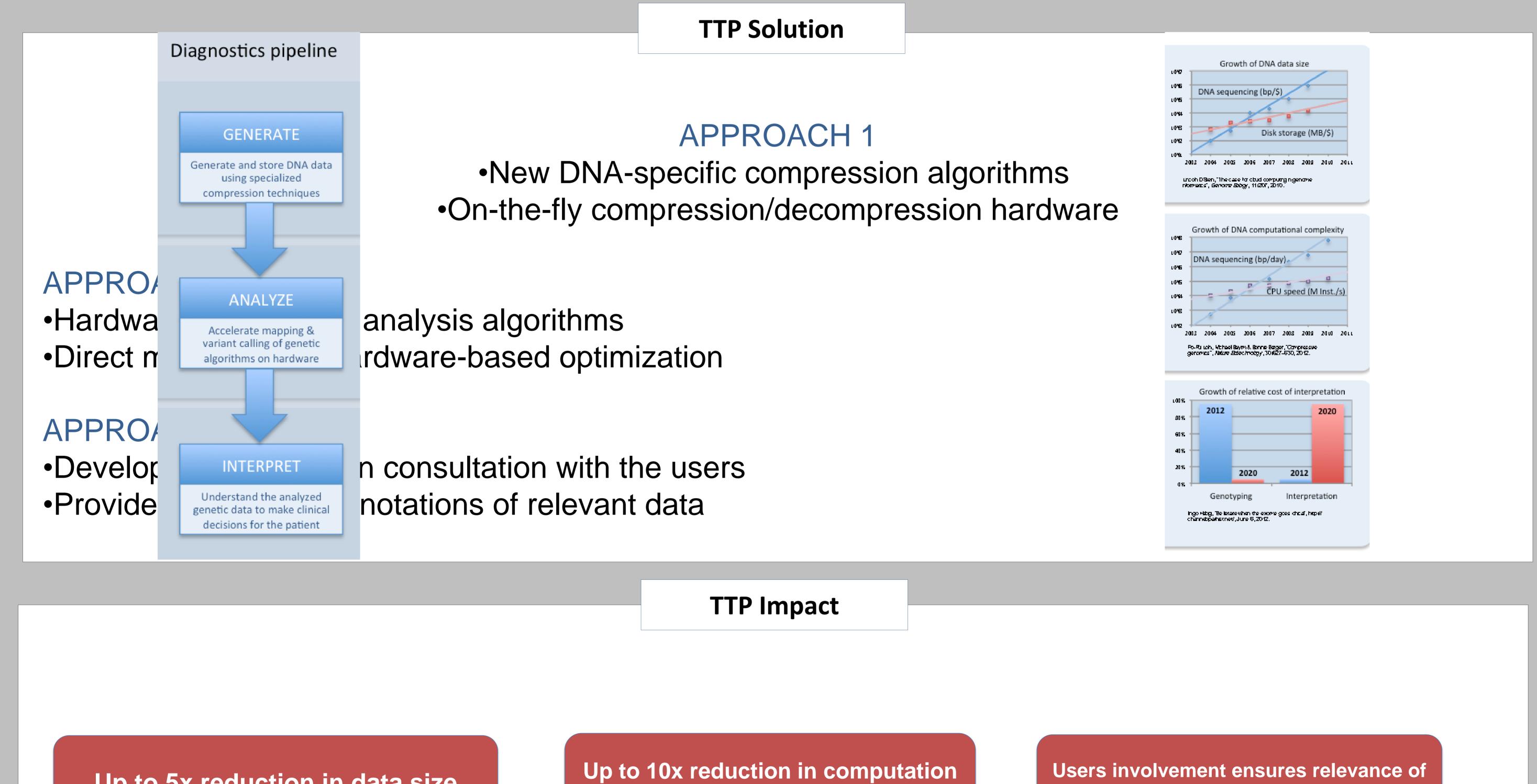
•Need for data compression and management

CHALLENGE 2

 Analysis complexity grows faster that computer speed •Need for acceleration of DNA analysis algorithms

CHALLENGE 3

- Relative cost of interpretation is increasing
- •Nature of data interpretation is subjective
- Need for innovative DNA visualization



Up to 5x reduction in data size

time

solutions

