



CPGR
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H3A Genomics Capacity Panel Discussion

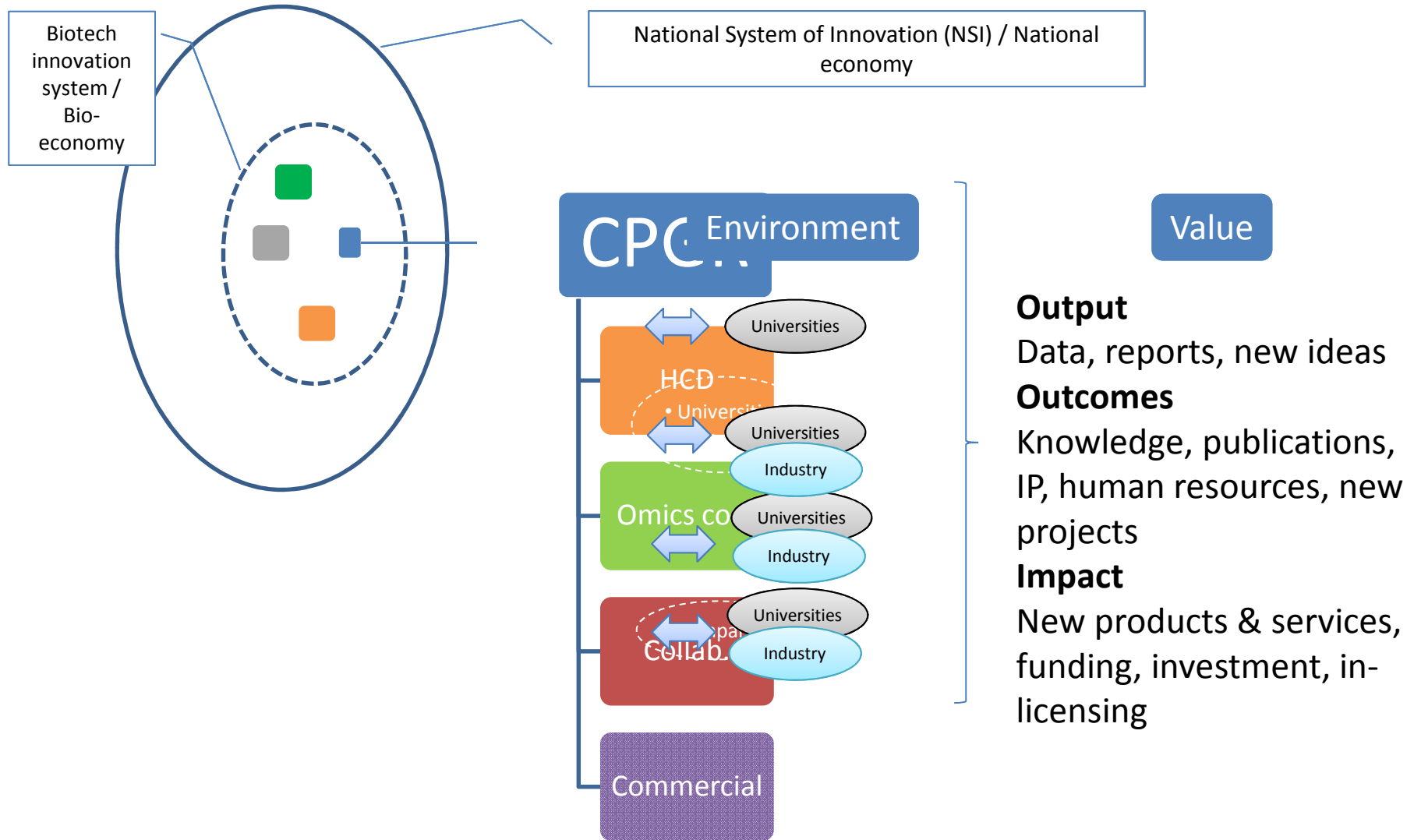
H3A meeting

06 October 2013
Sandton, JHB
South Africa

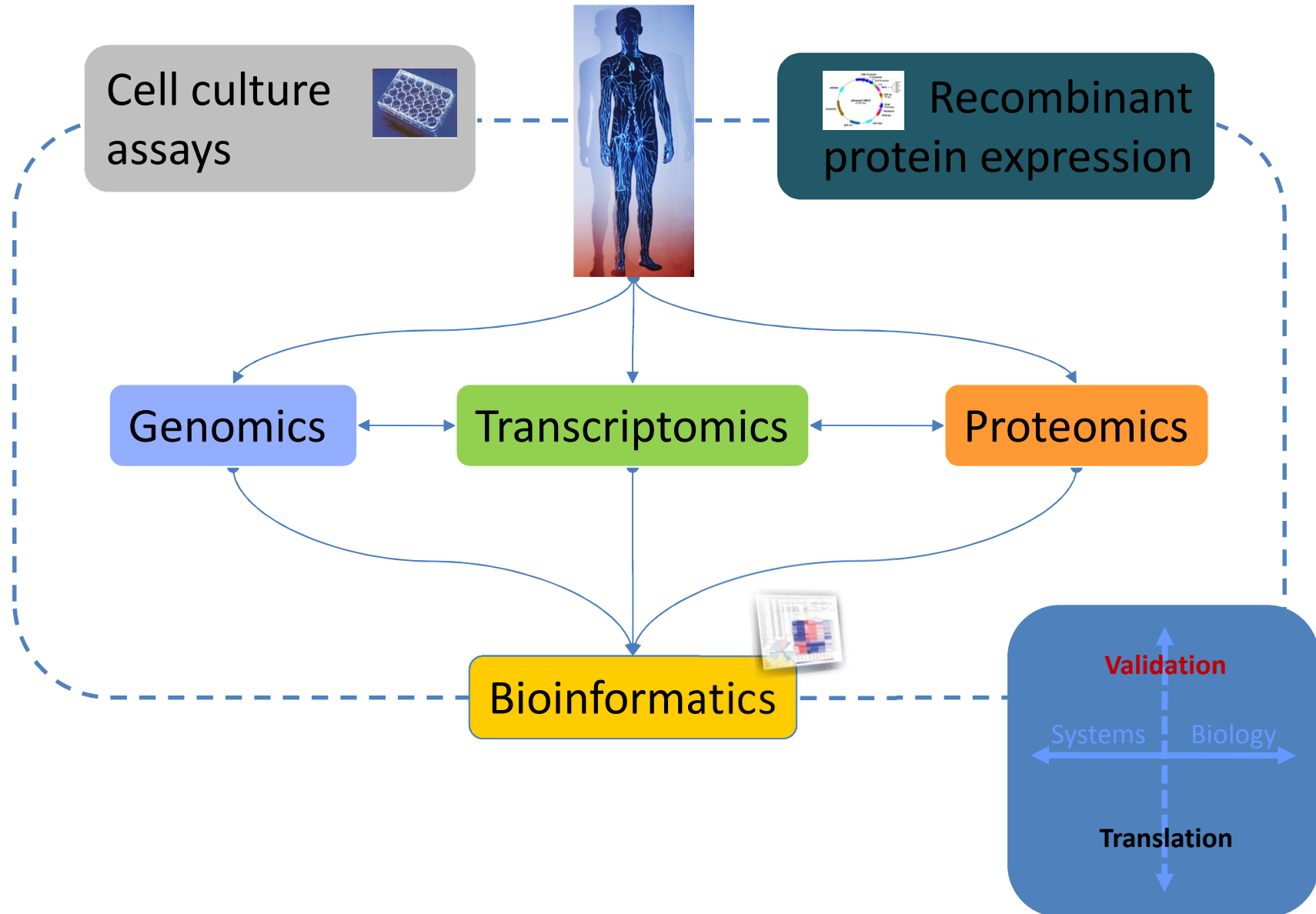
Reinhard Hiller, PhD, MBA
Managing Director



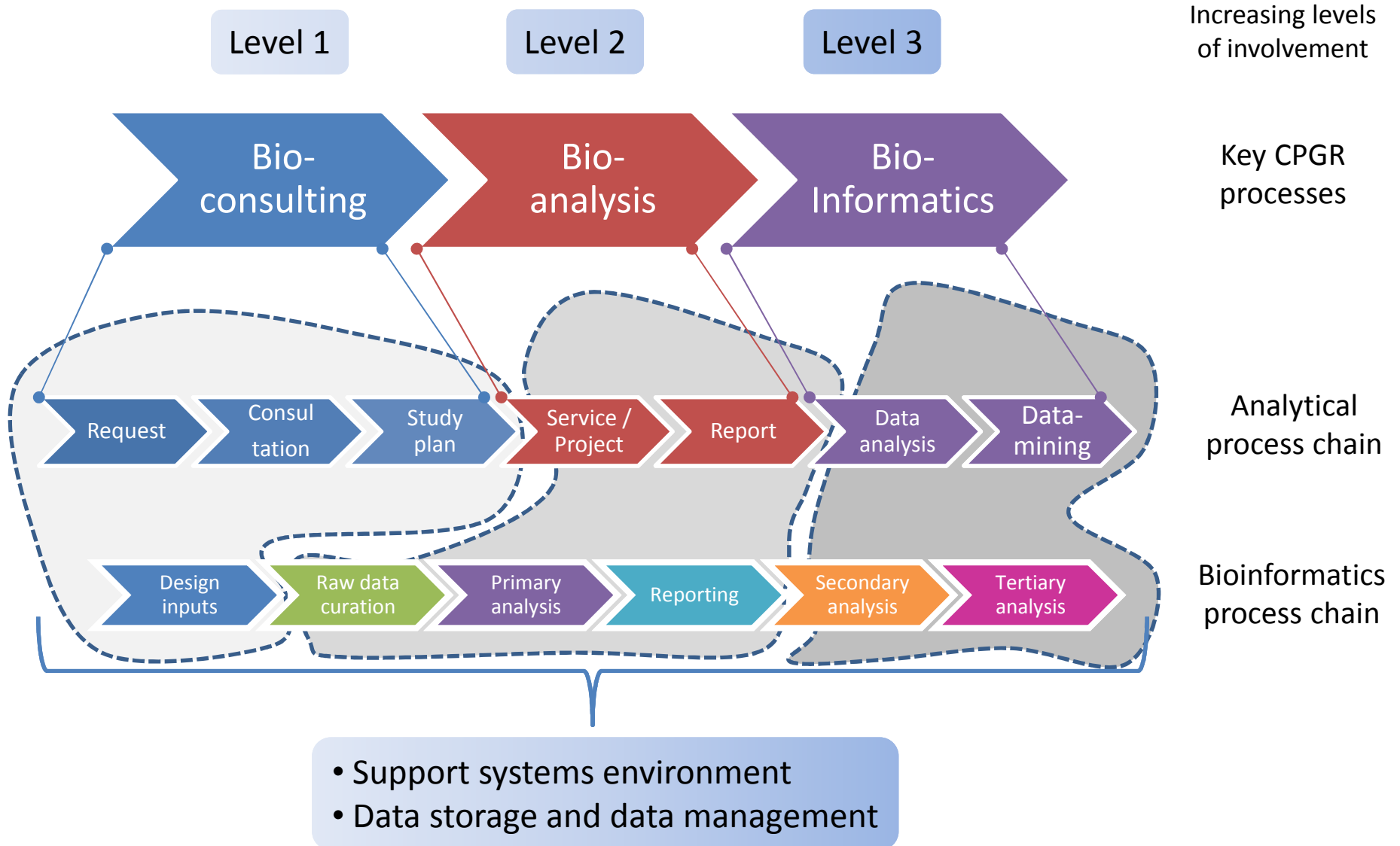
CPGR in the context of the NSI



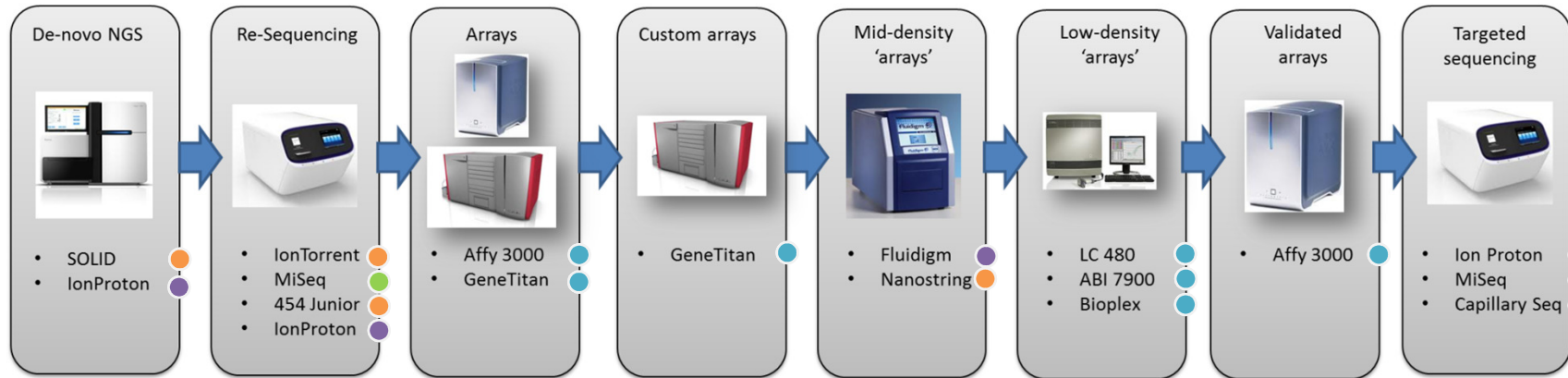
CPGR core competence areas



Services & projects management







Services & projects management



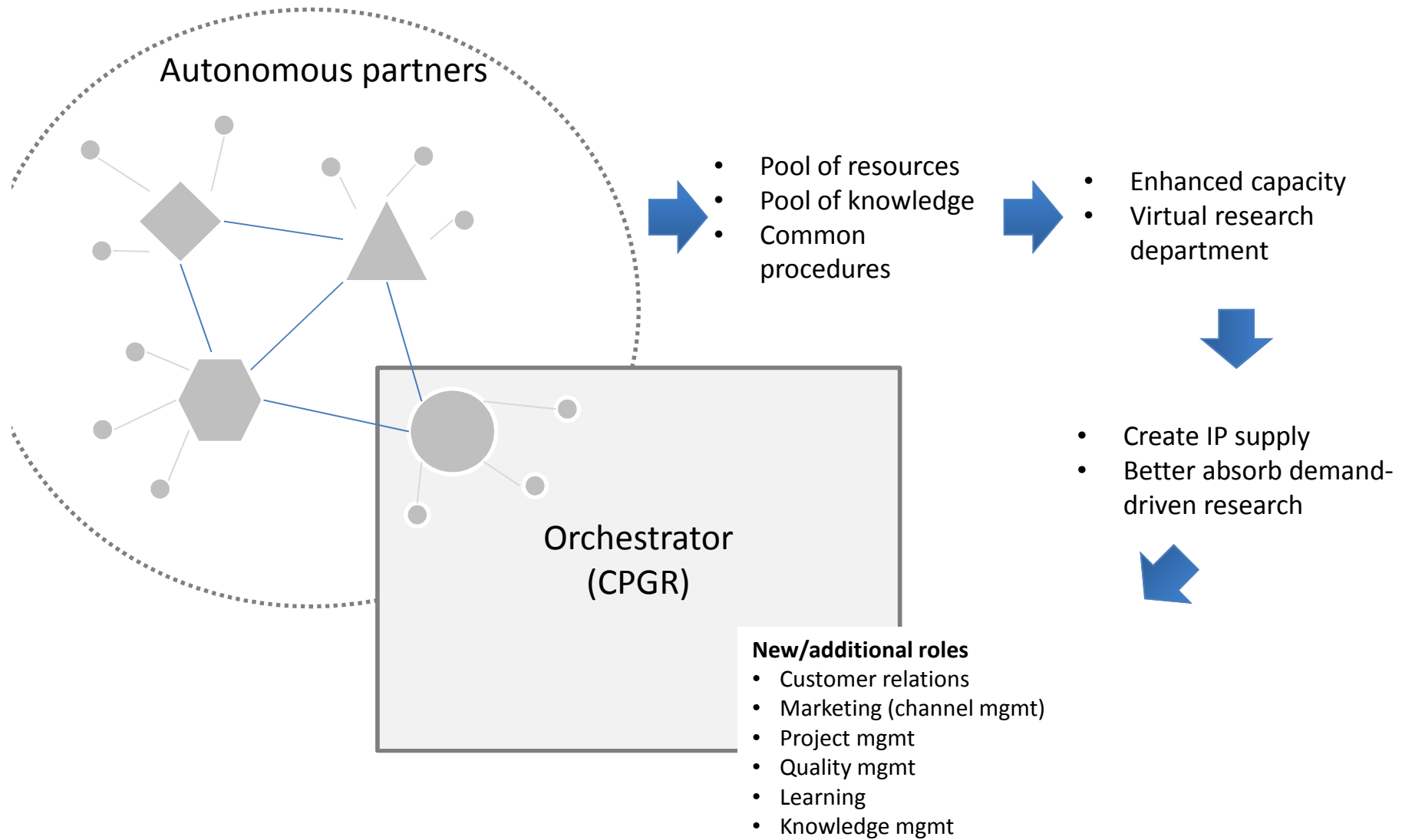
Data management (LIMS), data analysis (Bioinformatics), data storage 

Sample prep (liquid handler), sample storage (freezers), centrifuge, incubator

Adequate space / environment

-  Available at CPGR
-  Implementation to be completed by end of 2013
-  Available through 3rd parties
-  Dedicated funding applications in process of preparation

'omics' network orchestration

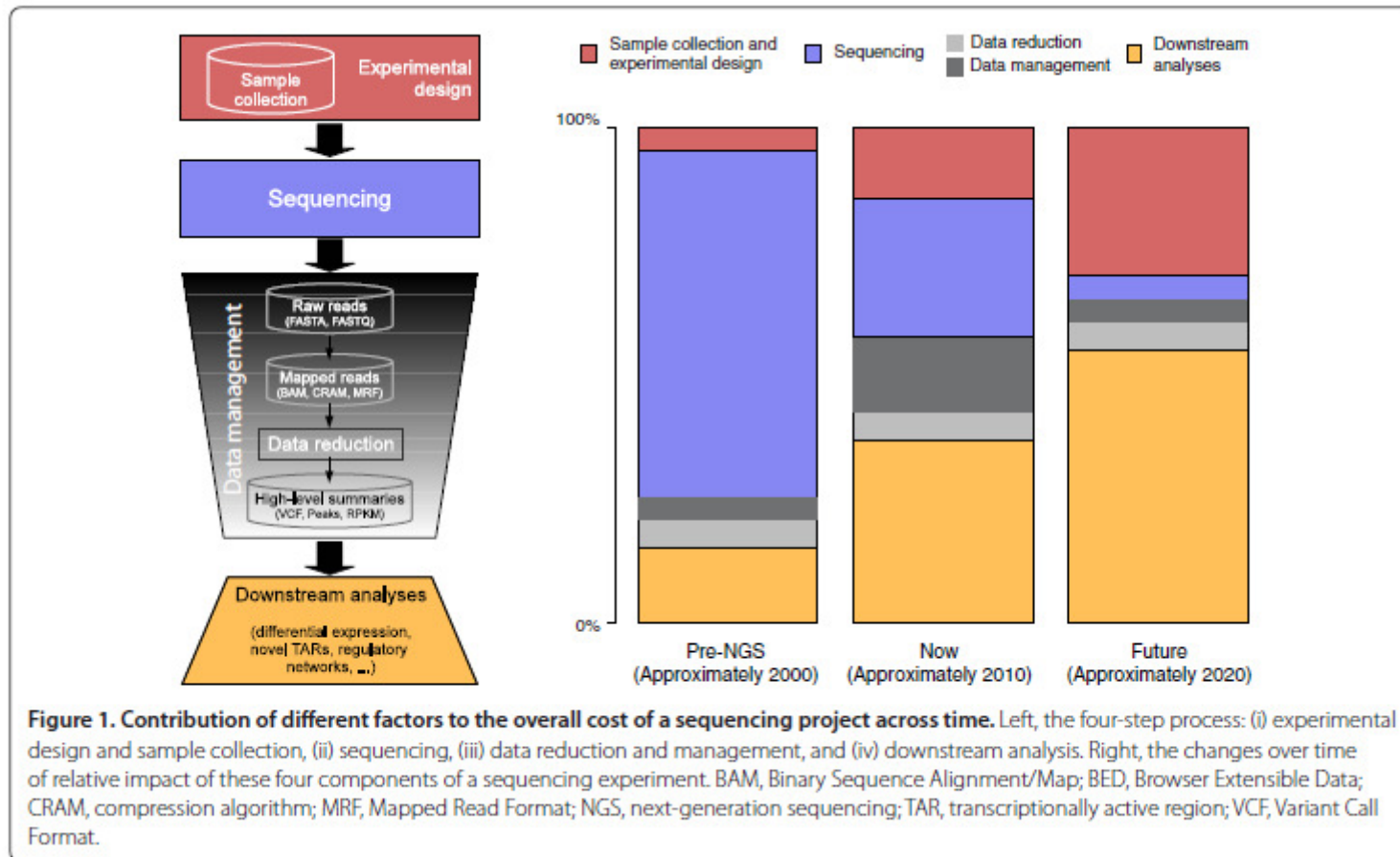


- CTLS (Core Technologies for Life Sciences)
- ABRF (Association of Biological Resource Facilities)

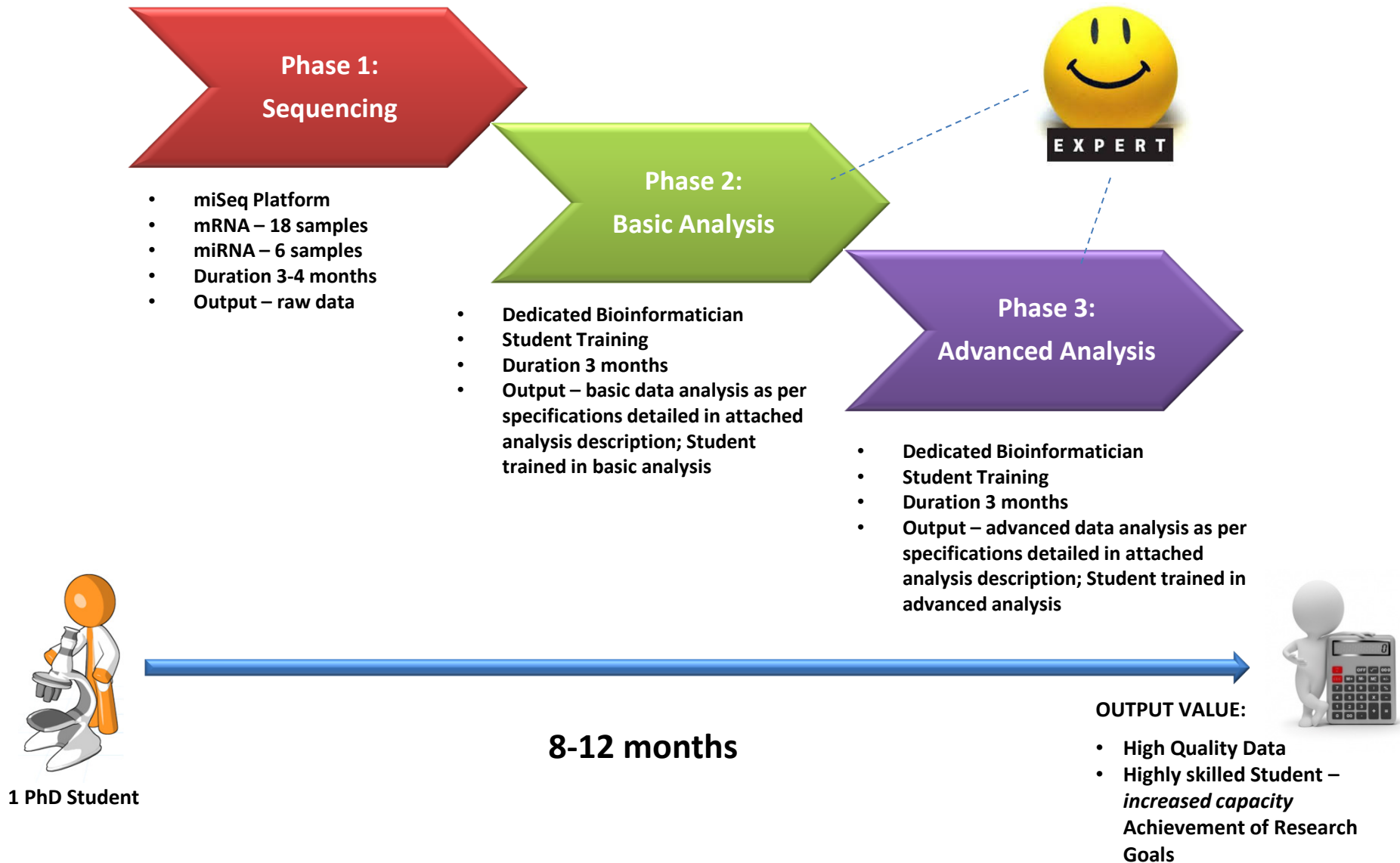
Project mgmt framework

| DOMAIN | Core functions | | |
|--------------|--------------------------|--------------------|-------------------|
| DIGITAL | Statistics | Bioinformatics | Data management |
| Funding & IP | IP | Knowledge transfer | Financing |
| SCIENCE | Basic & applied research | Education | Ethics |
| WET LAB | Biological assays | Bio-Analytics | Sample management |

Complexity and cost of Genomics projects



Project example: Integration of data generation & capacity development



Announcements

- GeneTitan / Axiom training - before end of 2013
- Affymetrix – clinical applications (Cytoscan, Oncoscan, DMET Plus) – Nov 2013
- Affymetrix GeneTitan – custom array design and ht genomic applications – Nov 2013



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