

*A Policy Framework for
Knowledge-Based Capital*

agenda

- background
- drivers of change
 - digitization
 - forms of ownership
- human capital, patents, tax
- policy design

Tangible Assets

intangible assets

- firm-level reporting
- national accounts

Corrado-Hulten-Sichel

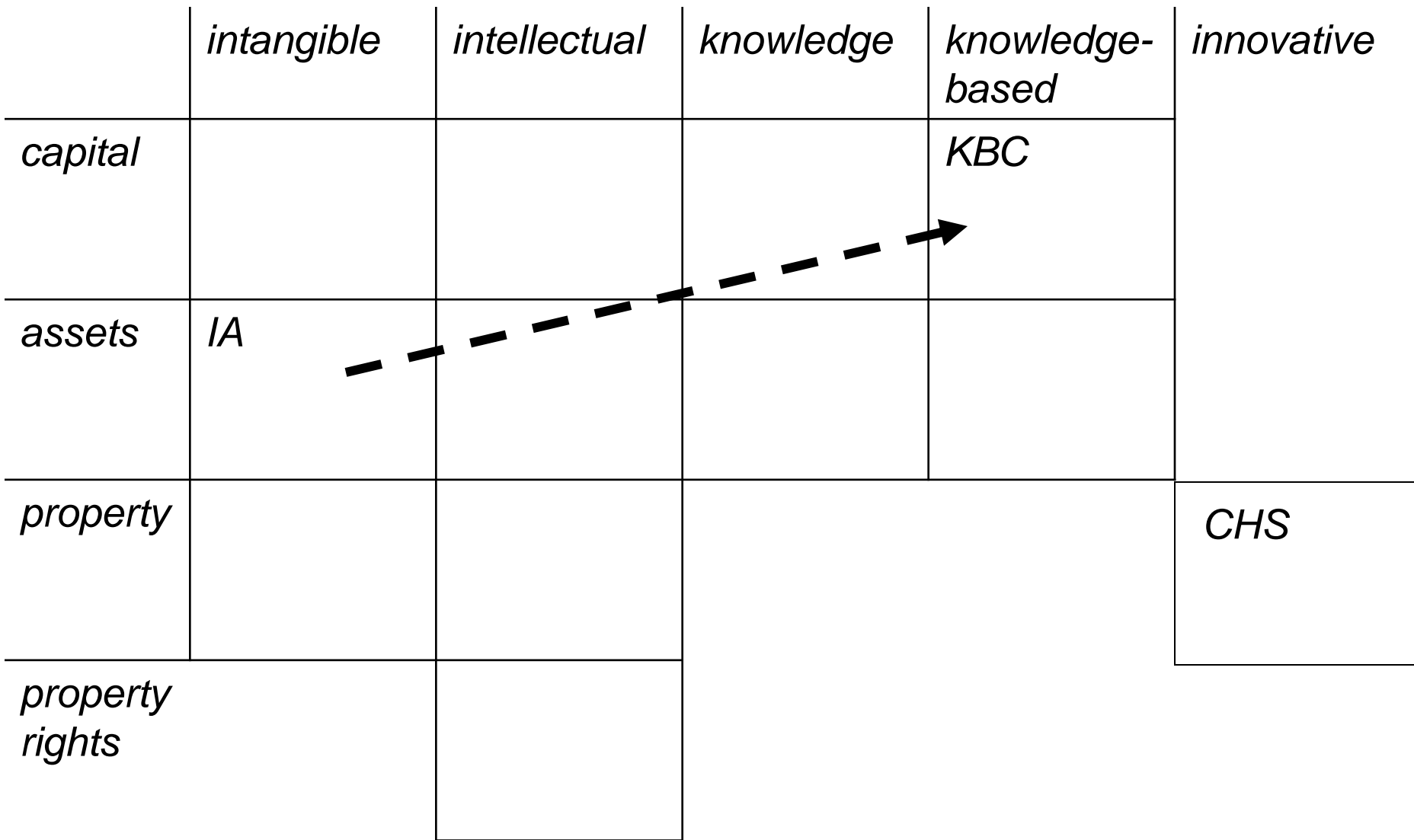
investment in intangible assets

- Computerized Information
 - software
 - data
- Innovative Property
 - mineral exploration
 - scientific R&D
 - creative property
 - design
- Economic Competencies
 - brand equity
 - firm-specific human capital
 - organizational structure

CHS

→ OECD KBC

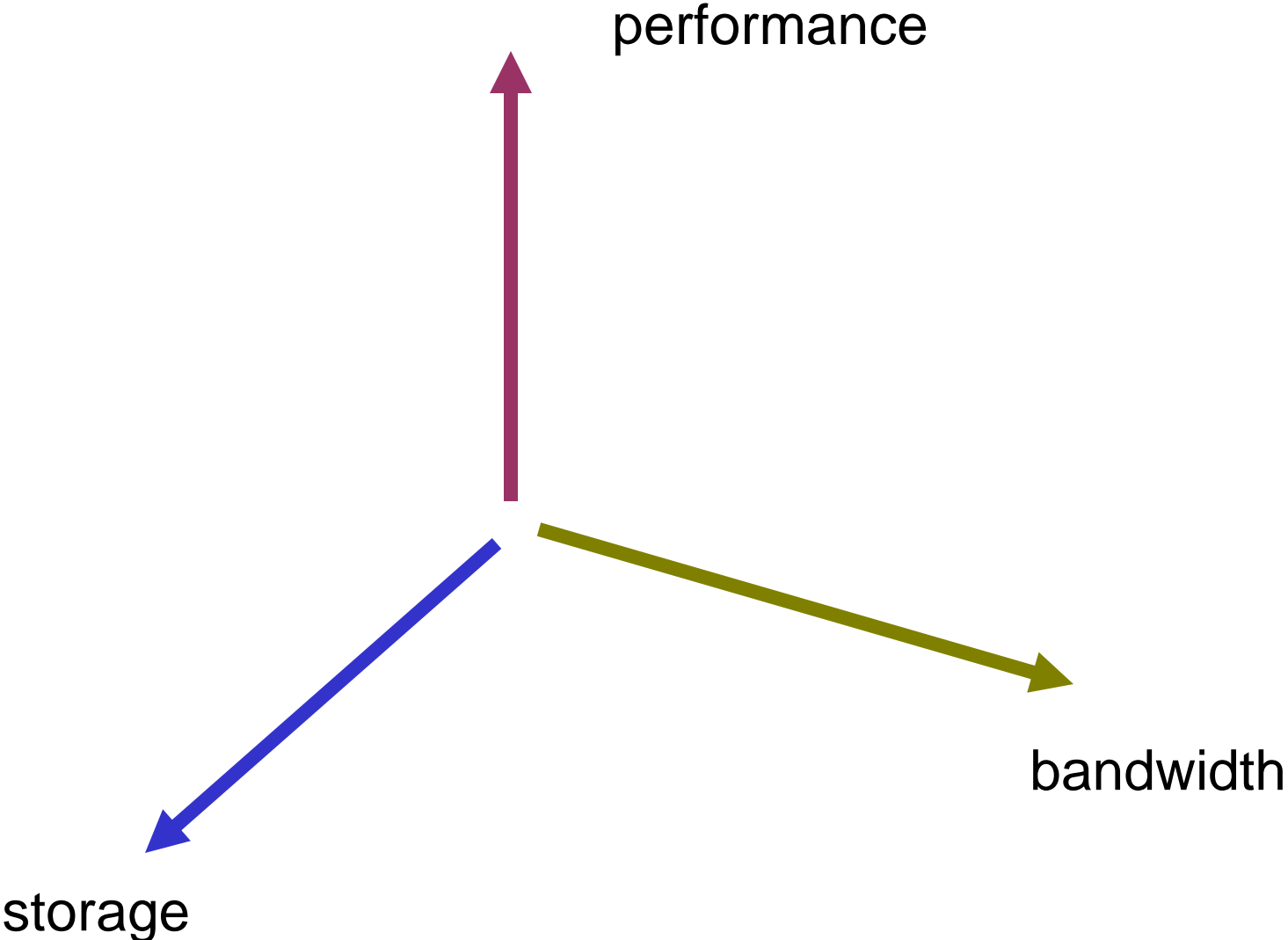
- Computerized Information
 - software
 - data
- Innovative Property
 - mineral exploration
 - scientific R&D patents
 - creative property copyrights
 - design design rights
- Economic Competencies
 - brand equity trademarks
 - firm-specific human capital
 - organizational ~~structure~~ knowhow
 - networks between people and institutions



	<i>intangible</i>	<i>intellectual</i>	<i>knowledge</i>	<i>knowledge-based</i>	<i>innovative</i>
<i>capital</i>				<i>KBC</i>	
<i>assets</i>	<i>IA</i>				
<i>property</i>		<i>IP</i>			<i>CHS</i>
<i>property rights</i>		<i>IPR</i>			

knowledge-based assets

- varying tradability, degrees, and means of control
- distance from asset to market
- context-dependent value
 - vs market-centered/measured
 - many tech/business contexts, purposes
- knowledge about knowledge
 - imperfect knowledge
 - >> asymmetries, arbitrage
- changing parameters
 - digitization, “ownership”



digitization II: structural effects

- diversity, expansion, infrastructure
 - elements/forms: code, data, links, addresses
 - combinations and structures: networks, VO
 - modularity and complementarity
- boundary-spanning
 - products, companies, markets and jurisdictions
 - scaling, diminished transaction costs >>>
globalization
- interaction with institutions (laws, organizations, skills....)

assets

- non-rivalry (but variable excludability)
- contract-defined
- context-dependent
- hybrid ownership
 - ICT standards
 - PPPs
- new asset classes
 - Shells, SIVs, CDOs, CDO2s, CDSs
 - PAEs, aggregators, libraries

**Tangible
Assets**

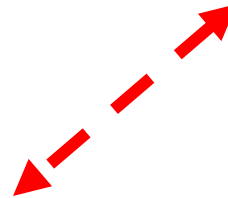
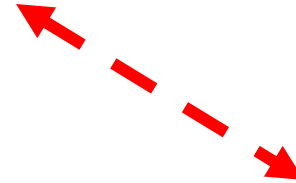
financial assets

*knowledge-
based assets*

**Tangible
Assets**

financial assets

*knowledge-
based assets*



“IP rights are the global currency for creating value for products and services, for all innovators, in all markets.”