



International Standardization for Sustainable Construction

common mission

- provide methodological basis
- provide and apply general principles
- establish voluntary standards
- · relate to overarching societal demands
- · translate to building sector concerns
- relate to policies, but not define
- not to prescribe, not to stifle innovation

Building Materials Technology - Centre for Built Environment - Gävle University

International Standardization for Sustainable Construction

a role for standardization

- in the value-chain from
 - research
 - development
 - innovation
 - market



common basis in standards

- describe quantify assess
- interpretation of impacts in relation to identified performance requirements
- life cycle perspective
- service life as temporal reference frame
- modular structure to allow methodology as well as information integration (IFC)

Building Materials Technology - Centre for Built Environment - Gävle University

International Standardization for Sustainable Construction

step by step

- development of framework standards
 - provide the general concepts and broad scope
- development of detailed standards under the framework
 - reduced in scope and more focused
 - focus on areas where sufficient international agreement is available
- enable future addressing of further work items







International Star	nda	Ird	iza	tior	n for	S	ust	tair	nable	C	on	struction	
construction works? performance ref	o FU	o DU	n TP	n –	(n) FE	(n) _	o DU	n –	у PR	у PR	у PR	n ?	
built environment neighbourhood			(o)	(0) (0)					<i>(</i>)				
building assembled system product	×	s s x	х	x	х	X X X	s s x	х	(x) (x) (x)	x x	x x	x	
social				x x	p	q q	<u></u>		(X)	x		×	
environmental additional	x x	x x	х	x	x	x	x x	x	SL		x	x	
pre-use in-use	x x	x x	x x	x x	x x	x x	x x	x x	×	x x	x x	x x	
post-use description	X	х	x x	x	x	x x	х	х	x	х	х	x (x)	
quantification assessment labelling	х	х	x x	х	x x		х	х	x x	х	х	(x) x (x)	
¥		ISO SC17			C	CEN TC350			:	SC14	1		
	14025	declaration	assessment	indicators	framework	building LC	EPD	calc models	15686-1	15686-5	15686-6	LEnSE	
Building Materials Technology - Centre for Built Environment - Gävle University													





International Standardization for Sustainable Construction

key-concern definitions

- life cycle consecutive and interlinked stages of the object of consideration
- period of analysis length of time over which an object is analyzed
- Service life period of time after installation during which a building or its parts meet or exceed the performance requirements
- performance expression relating to the magnitude of a particular aspect of the object of consideration relative to specified requirements, objectives, targets or a combination thereof.