Attached 1: Credits and Criteria of the GBC Italia and the ITACA protocols related to the AR and the CE concepts.

Sustainability protocol	Application	Credits/Criteria	Related to AR	Related to CE
GBC Italia	*Home*	Site selection	x	x
		Proximity to community services and alternative mobility		
		Site management		
		Stormwater and green space maximization		
		Heat island effect		
		Common areas: relationship spaces and common spaces		
		Reduction of drinking water consumption for domestic use		x
		Efficient management of water for irrigation purposes		x
		Optimization of energy performance of buildings		x
		On-site production of energy from renewable sources		x
		Appliances		x
		Reuse of structural and non-structural elements of buildings	x	x
		Demolition and construction waste management		x
		Multi-criteria certification		x
		Environmental optimization of products		x
		Materials extracted, processed and produced within a limited distance		x
		Ventilation systems and humidity control		
		Indoor air quality during construction		
		Low emission materials		x
		Natural light		
		Acoustics		
		Balancing of distribution networks		
		Operation and maintenance manual		
		Innovation in design		
		Accredited professional gbc home ap		
		Regional Priority		
	Historic Buildings	Advanced cognitive investigations: energy surveys		x
		Advanced investigations: diagnostic investigations on materials and forms of degradation		
		Advanced investigations: diagnostic investigations on structures and structural monitoring		
		Reversibility of the conservative intervention		
		Compatibility of the destination of use and settlement benefits	x	x
		Chemical-physical compatibility of restoration mortars		
		Structural compatibility with the existing structure	x	x
		Sustainable restoration site		x

		Programmed maintenance plan		
		Specialist in architectural heritage and landscape		
		Recovery and redevelopment of degraded sites		x
		Alternative transportation: access to public transportation		
		Alternative transportation: bike racks and locker rooms		
		Alternative transportation: low emission and alternative fuel vehicles		x
		Alternative transportation: parking area capacity		
		Site development: open space restoration	x	x
		Stormwater: controlling quantity and quality		
		Heat island effect: exterior surfaces and roofing		
		Light pollution reduction		
		Reduction of outdoor water use		x
		Reduction of water use		x
		Water consumption metering		x
		Optimization of energy performance		x
		Renewable energy		x
		Advanced energy systems commissioning		
		Advanced refrigerant management		
		Measurements and testing		
		Reuse of buildings: maintaining existing technical elements and finishes	x	x
		Demolition and construction waste management		x
		Reuse of materials		x
		Environmental optimization of products		x
		Materials extracted, processed and produced within a limited distance		x
		Ambient air monitoring		
		Assessment of minimum outdoor air flow rate		
		Indoor Air Quality Management Plan: Construction Phase		
		Indoor Air Quality Management Plan: Before Occupancy		
		Low-E materials: Adhesives and sealants, cementitious materials and wood finishes		x
		Low-emissive materials: paints and coatings		x
		Low-emissive materials: flooring		x
		Low-emissive materials: Composite wood products and plant fibers		x
		Control of chemical sources and indoor pollutants		
		Plant control and management: lighting		
		Control and management of systems: thermal comfort		
		Thermal comfort: design		

		Thermal comfort: verification		
		Innovation in design		
		Professional gbc hb ap		
		Regional priority		
ITACA	***Residential buildings***	Land reuse	x	x
		Accessibility to public transport		
		Functional mix of the area		
		Adjacency to infrastructures		
		Equipped outdoor common use areas		
		Support for bicycle use		
		Global non-renewable primary energy		
		Total primary energy		
		Renewable energy for thermal use		x
		Energy produced on site for electrical use		x
		Recycled/Reclaimed Materials		x
		Materials from renewable sources		x
		Certified materials		x
		Drinking water for irrigation		x
		Drinking water for indoor use		x
		Useful thermal energy for heating		x
		Useful thermal energy for cooling		x
		Expected emissions during operation		x
		Soil permeability		x
		Heat island effect		
		Ventilation and air quality		
		Summer operating temperature		
		Natural lighting		
		Building acoustic quality		
		Magnetic fields		
		BACS		
		Home automation systems		
		Availability of building technical documentation		
	Non-residential buildings	Land reuse	x	x
		Accessibility to public transport		
		Adjacency to infrastructures		
		Support for bicycle use		
		Global non-renewable primary energy		
		Total primary energy		
		Renewable energy for thermal use		x
		Energy produced on site for electrical use		x
		Recycled/Reclaimed Materials		x

		Materials from renewable sources		x
		Certified materials		x
		Drinking water for irrigation		x
		Drinking water for indoor use		x
		Useful thermal energy for heating		x
		Useful thermal energy for cooling		x
		Expected emissions during operation		x
		Solid waste produced during the operating phase		x
		Soil permeability		x
		Heat island effect		
		Ventilation and air quality		
		Summer thermal comfort in air-conditioned environments		
		Operating temperature in summer		
		Winter thermal comfort in air-conditioned environments		
		Natural lighting		
		Reverberation time		
		Acoustic quality of the building		
		Magnetic fields		
		Amenities		
		BACS		
		Availability of building documentation		
		DESIGN FOR ALL		