



INNOVATIVE EDUCATIONAL INTEGRATION OF URBAN
PLANNING BASED ON BIM-GIS TECHNOLOGIES AND
FOCUSED ON CIRCULAR ECONOMY CHALLENGES

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SPANISH REGULATIONS REGARDING ENVIRONMENT IN CONSTRUCTION SECTOR

Task O2/A1.3

REGULATIONS REGARDING BUILDING INFORMATION MODELLING (BIM)



Universitatea
Transilvania
din Braşov



ROMANIA
GREEN
BUILDING
COUNCIL



Centro Tecnológico
del mármol, piedra y materiales




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REGULATIONS REGARDING BUILDING INFORMATION MODELLING (BIM)

	
<p>BuildingSMART Spanish Chapter (BuildingSMART Spain) Guía uBIM para usuarios</p>	<p>PAS 1192-3:2014 Specification for information management for the operational phase of assets using building information modelling (BIM).</p>
<p>Comité Técnico AEN/CTN 41/SC 13 Organisation of information models in relation to building and construction.</p>	<p>BS 1192-4:2014 (potentially applicable to BIM) Collaborative production of information. Fulfilling employer's information exchange requirements using COBie. Code of practice.</p>
<p>UNE-EN ISO 16739:2016 (Ratificada) IFC (<i>Industry Foundation Classes</i>) para el intercambio de datos en los sectores de la de construcción y de la gestión de inmuebles (ISO 16739:2013) (Ratificada por la Asociación Española de Normalización en enero de 2017.)</p>	<p>PAS 1192-5:2015 Specification for security-minded building information modelling, digital built environments and smart asset management.</p>
<p>UNE-EN ISO 12006-3:2017 Edificación. Organización de la información de los trabajos de construcción. Parte 3: Marco de la información orientada a objetos. (ISO 12006-3:2007).</p>	<p>BS 8536-1:2015 Briefing for design and construction. Code of practice for facilities management (Buildings infrastructure).</p>
<p>UNE-EN ISO 29481-2:2017 Modelado de la información de los edificios. Manual de entrega de la información. Parte 2: Marco de trabajo para la interacción. (ISO 29481-2:2012).</p>	<p>PAS 1192-6:2018 Specification for collaborative sharing and use of structured Health and Safety information using BIM.</p>
<p>UNE-EN ISO 29481-1:2018 Modelado de la información de los edificios. Manual de entrega de la información. Parte 1: Metodología y formato. (ISO 29481-1:2016).</p>	<p>BS EN ISO 19650-1&2:2018 and PD 19650-0:2019 Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM). Information management using building information modelling.</p>



	<p>National Annex to BS EN ISO 19650-2 (under development)</p> <p>To aid implementation in the UK and ensure BIM Level 2 within the ISO framework</p>
<p>Technical Committee CEN/TC 442</p> <p>Building Information Modeling (BIM)</p>	<p>BS EN ISO 19650-3 (under development)</p> <p>Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling - Part 3: Operational phase of the asset.</p>
<p>EN ISO 29481-2:2016 (WI=00442001)</p> <p>Building information models - Information delivery manual - Part 2: Interaction framework (ISO 29481-2:2012)</p>	<p>BS EN ISO 19650-5 (under development)</p> <p>Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) — Information management using building information modelling - Part 5: Security-minded approach to information management.</p>
<p>EN ISO 12006-3:2016 (WI=00442003)</p> <p>Building construction - Organization of information about construction works - Part 3: Framework for object-oriented information (ISO 12006-3:2007)</p>	
<p>EN ISO 16739:2016 (WI=00442002)</p> <p>Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries (ISO 16739:2013)</p>	
<p>EN ISO 29481-1:2017 (WI=00442006)</p> <p>Building information models - Information delivery manual - Part 1: Methodology and format (ISO 29481-1:2016)</p>	
<p>EN ISO 19650-1:2018 (WI=00442004)</p> <p>Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 1: Concepts and principles (ISO 19650-1:2018)</p>	



[EN ISO 19650-2:2018 \(WI=00442005\)](#)

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) - Information management using building information modelling - Part 2: Delivery phase of the assets (ISO 19650-2:2018)



Technical Committee [ISO/TC 59/SC 13](#)

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM)

[ISO 22263:2008](#) (potentially applicable to BIM)

Organization of information about construction works -- Framework for management of project information

[ISO/TS 12911:2012](#)

Framework for building information modelling (BIM) guidance

[ISO 29481-2:2012](#)

Building information models -- Information delivery manual -- Part 2: Interaction framework

[ISO 16354:2013](#) (potentially applicable to BIM)

Guidelines for knowledge libraries and object libraries

[ISO 12006-2:2015](#)

Building construction -- Organization of information about construction works -- Part 2: Framework for classification

[ISO 29481-1:2016](#)

Building information models -- Information delivery manual -- Part 1: Methodology and format

[ISO 19650-1:2018](#)

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) -- Information management using building information modelling -- Part 1: Concepts and principles



[ISO 19650-2:2018](#)

Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) -- Information management using building information modelling -- Part 2: Delivery phase of the assets

[ISO 16739-1:2018](#)

Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries -- Part 1: Data schema

[ISO/WD 12006-3](#) (under development)

Building construction -- Organization of information about construction works -- Part 3: Framework for object-oriented information