

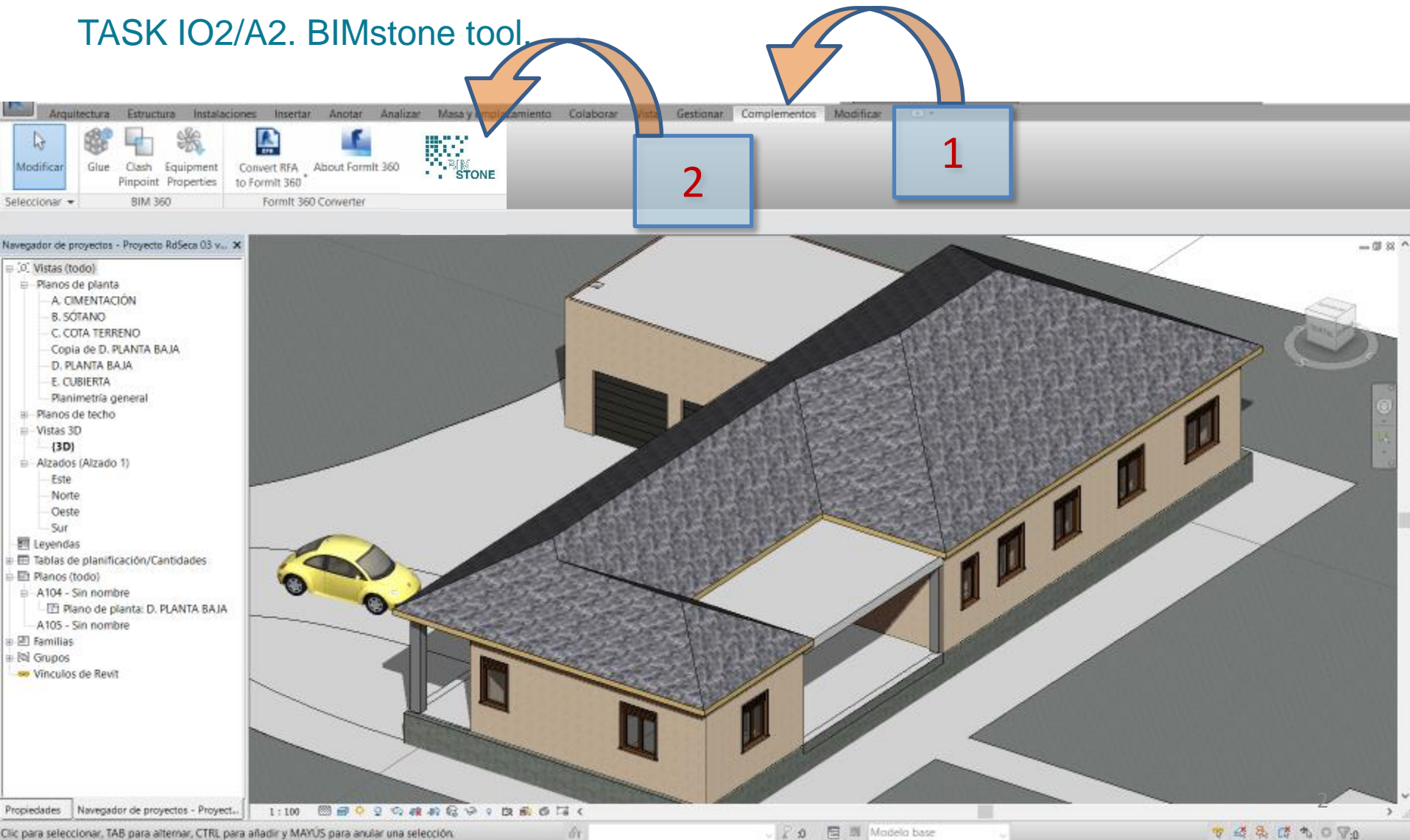
PRESENTATION of “LCA BIMtool” for BIMstone project

O2. BIMclay MULTIMEDIA MATERIALS. NEW INTERACTIVE BIM-LEARNING METHODS



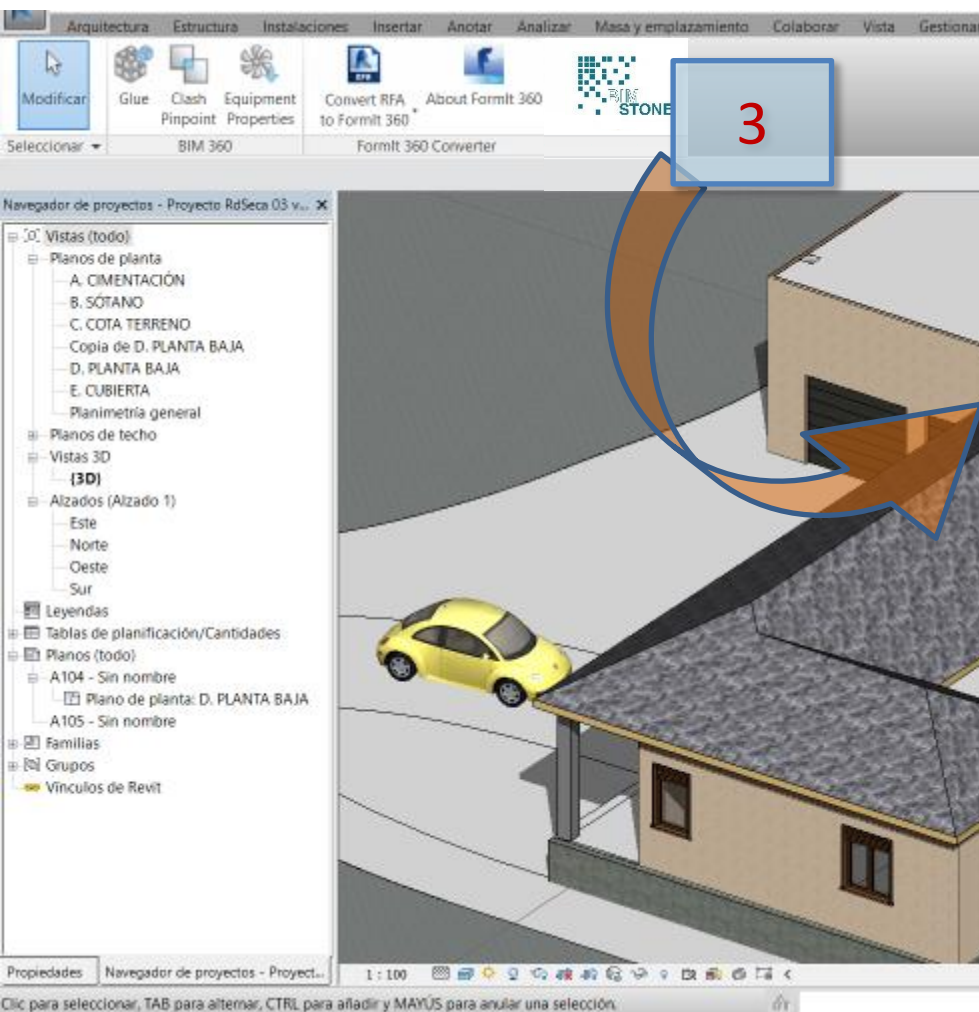
O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods.

TASK IO2/A2. BIMstone tool.



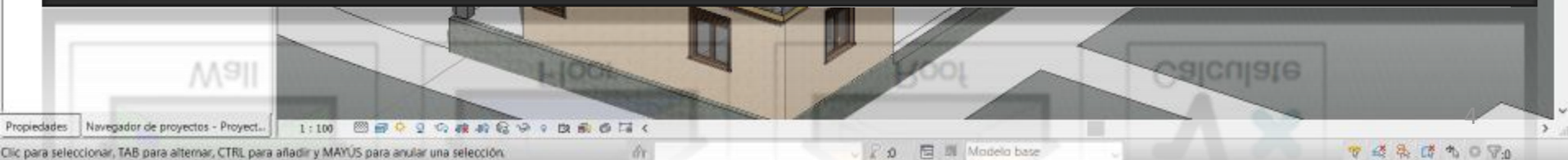
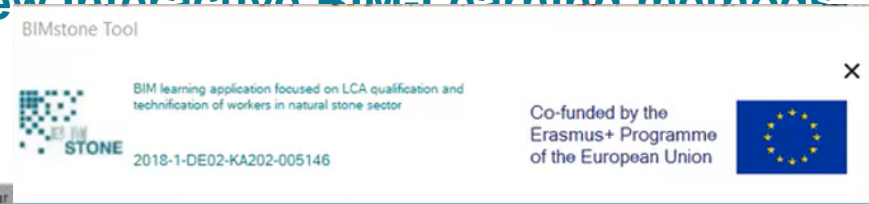
O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



The screenshot displays the BIMstone Tool interface. On the left, a sidebar titled 'Navegador de proyectos - Proyecto RdSeca 03 v...' lists various project views and elements, including 'Planos de planta', 'Planos de techo', 'Vistas 3D', 'Alzados (Alzado 1)', 'Legendas', 'Tablas de planificación/Cantidades', 'Planos (todo)', 'Familias', and 'Grupos'. The main area shows a 3D model of a building with a yellow car parked nearby. A blue box with the number '4' is overlaid on the model. An orange arrow points from the '4' box to the 'BIMstone Tool' window. The 'BIMstone Tool' window is a floating panel with a title bar and a close button. It contains the text 'BIM learning application focused on LCA qualification and technification of workers in natural stone sector' and 'Co-funded by the Erasmus+ Programme of the European Union'. Below this text is a row of four icons: 'Wall', 'Floor', 'Roof', and 'Calculate'. The 'Wall' icon is highlighted with a blue border. The 'Calculate' icon is a green checkmark with a red 'X'.

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BIMstone Tool

BIM learning application focused on LCA qualification and technification of workers in natural stone sector

Co-funded by the Erasmus+ Programme of the European Union

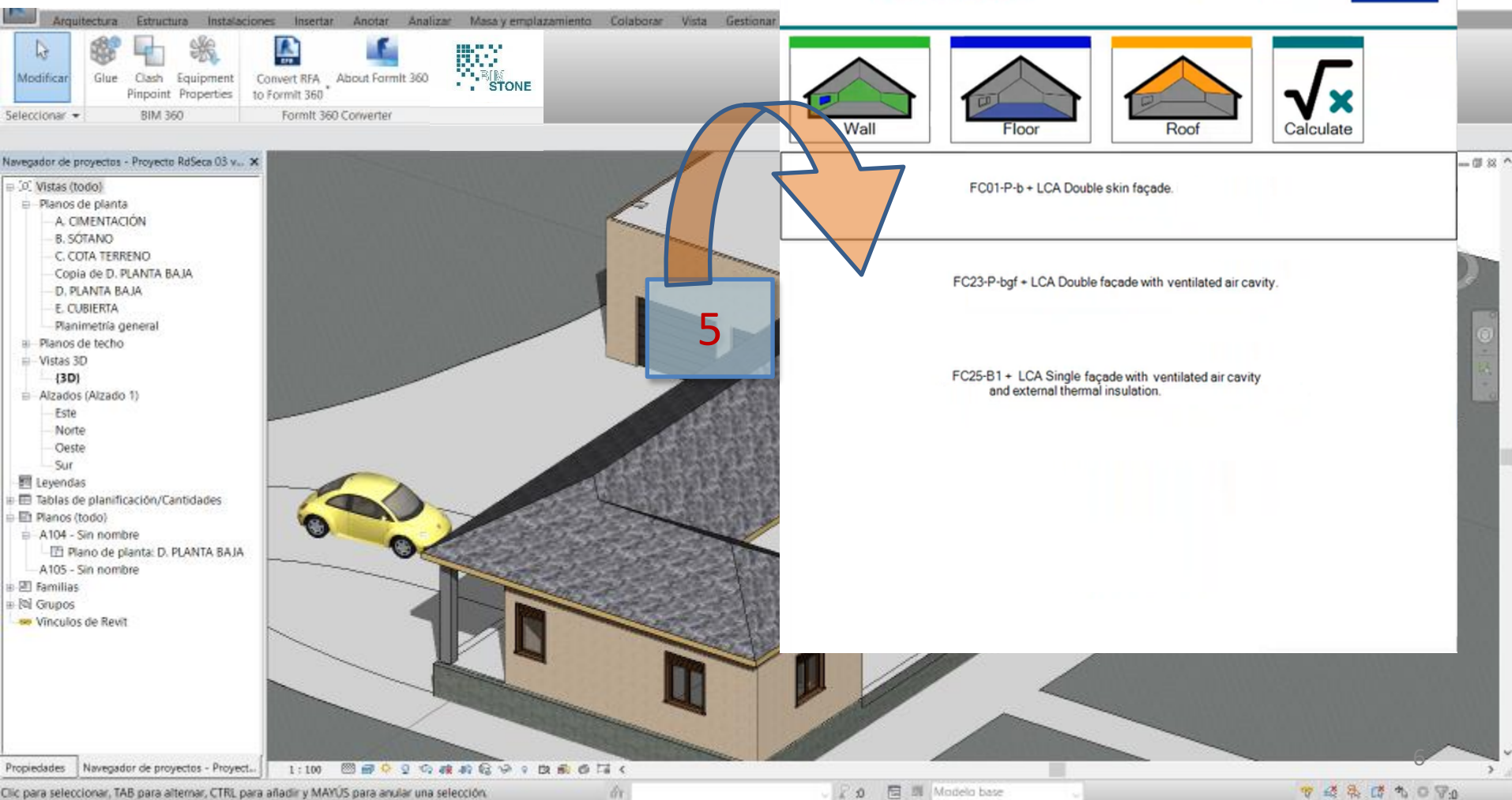
Wall Floor Roof Calculate

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O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



The screenshot displays the BIMstone Tool interface, which is a BIM learning application focused on LCA qualification and technification of workers in the natural stone sector. The interface includes a top menu bar with options like 'Arquitectura', 'Estructura', 'Instalaciones', 'Insertar', 'Anotar', 'Analizar', 'Masa y emplazamiento', 'Colaborar', 'Vista', and 'Gestionar'. Below the menu bar is a toolbar with icons for 'Modificar', 'Glue', 'Clash Pinpoint', 'Equipment Properties', 'Convert RFA to Formit 360', and 'About Formit 360'. The main workspace shows a 3D model of a building with a yellow car parked in front. A blue box with the number '5' is overlaid on the building's facade. A large orange arrow points from this box to a detailed view of the 'Wall' material.

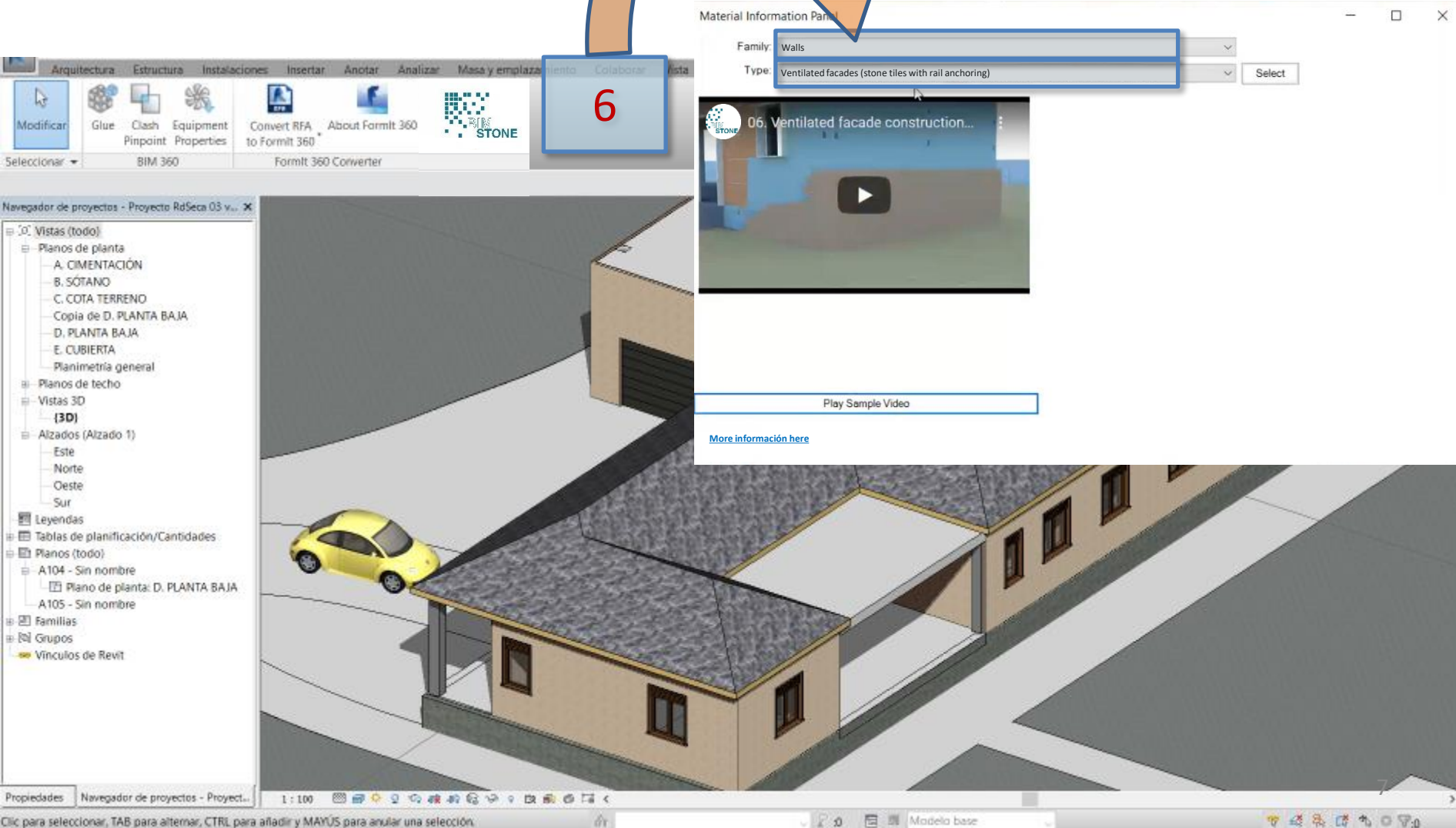
The detailed view of the 'Wall' material shows the following information:

- FC01-P-b + LCA Double skin façade.**
- FC23-P-bgf + LCA Double façade with ventilated air cavity.**
- FC25-B1 + LCA Single façade with ventilated air cavity and external thermal insulation.**

The interface also includes a 'Navegador de proyectos' (Project Navigator) on the left side, which lists various views and elements, including 'Planos de planta', 'Planos de techo', 'Vistas 3D', 'Alzados (Alzado 1)', 'Legendas', 'Tablas de planificación/Cantidades', 'Planos (todo)', 'Familias', 'Grupos', and 'Vinculos de Revit'. The bottom status bar shows the scale '1:100' and the text 'Clic para seleccionar, TAB para alternar, CTRL para añadir y MAYUS para anular una selección.'

O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods.

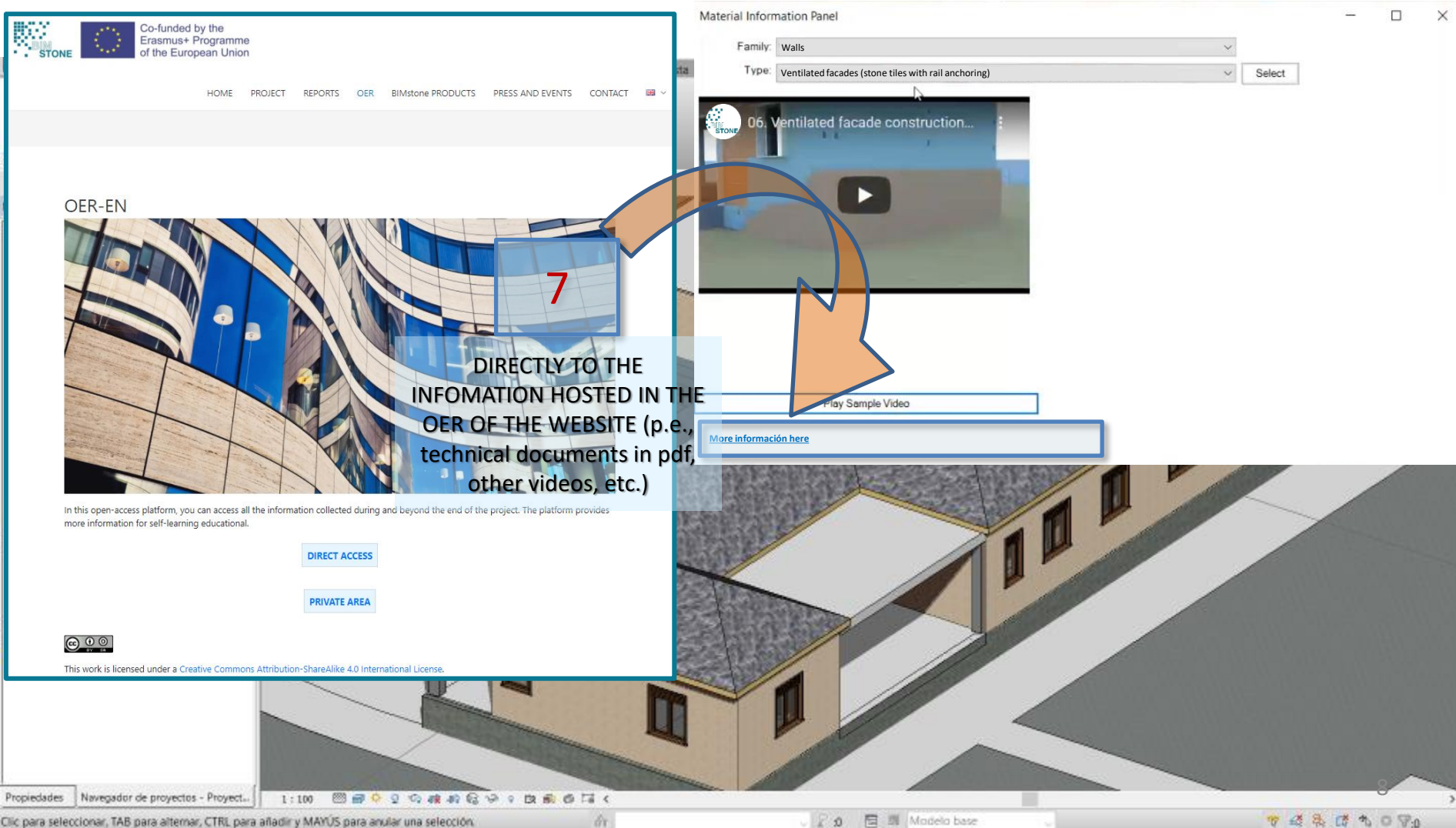
TASK IO2/A2. BIMstone tool.



The screenshot displays the BIMstone software interface. On the left, a project browser shows a 3D view of a building model. A yellow car is parked on the street in front of the building. The main window shows a video player with the title "06. Ventilated facade construction...". Above the video player, a "Material Information Panel" is visible, showing the family "Walls" and type "Ventilated facades (stone tiles with rail anchoring)". A blue box with the number "6" is overlaid on the interface, pointing to the video player. Below the video player, there is a "Play Sample Video" button and a link "More información here".

O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods.

TASK IO2/A2. BIMstone tool.



The image shows a workflow for accessing multimedia materials. On the left, a screenshot of the BIMstone website (OER-EN) displays a building facade. A red number '7' is overlaid on a section of the facade. A large orange arrow points from this section to a 'Material Information Panel' on the right. The panel shows a video player titled '06. Ventilated facade construction...' and a 'Play Sample Video' button. Below the video player, there is a 'More information here' link. The bottom of the image shows a 3D model of a building with a courtyard, and a status bar at the very bottom with various icons and text.

OER-EN

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of the European Union

HOME PROJECT REPORTS OER BIMstone PRODUCTS PRESS AND EVENTS CONTACT

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**DIRECTLY TO THE
INFORMATION HOSTED IN THE
OER OF THE WEBSITE (p.e.,
technical documents in pdf,
other videos, etc.)**

In this open-access platform, you can access all the information collected during and beyond the end of the project. The platform provides more information for self-learning educational.

[DIRECT ACCESS](#)

[PRIVATE AREA](#)

[More information here](#)

Material Information Panel

Family: Walls

Type: Ventilated facades (stone tiles with rail anchoring) [Select](#)

06. Ventilated facade construction...

Play Sample Video

Propiedades Navegador de proyectos - Proyect...

1 : 100

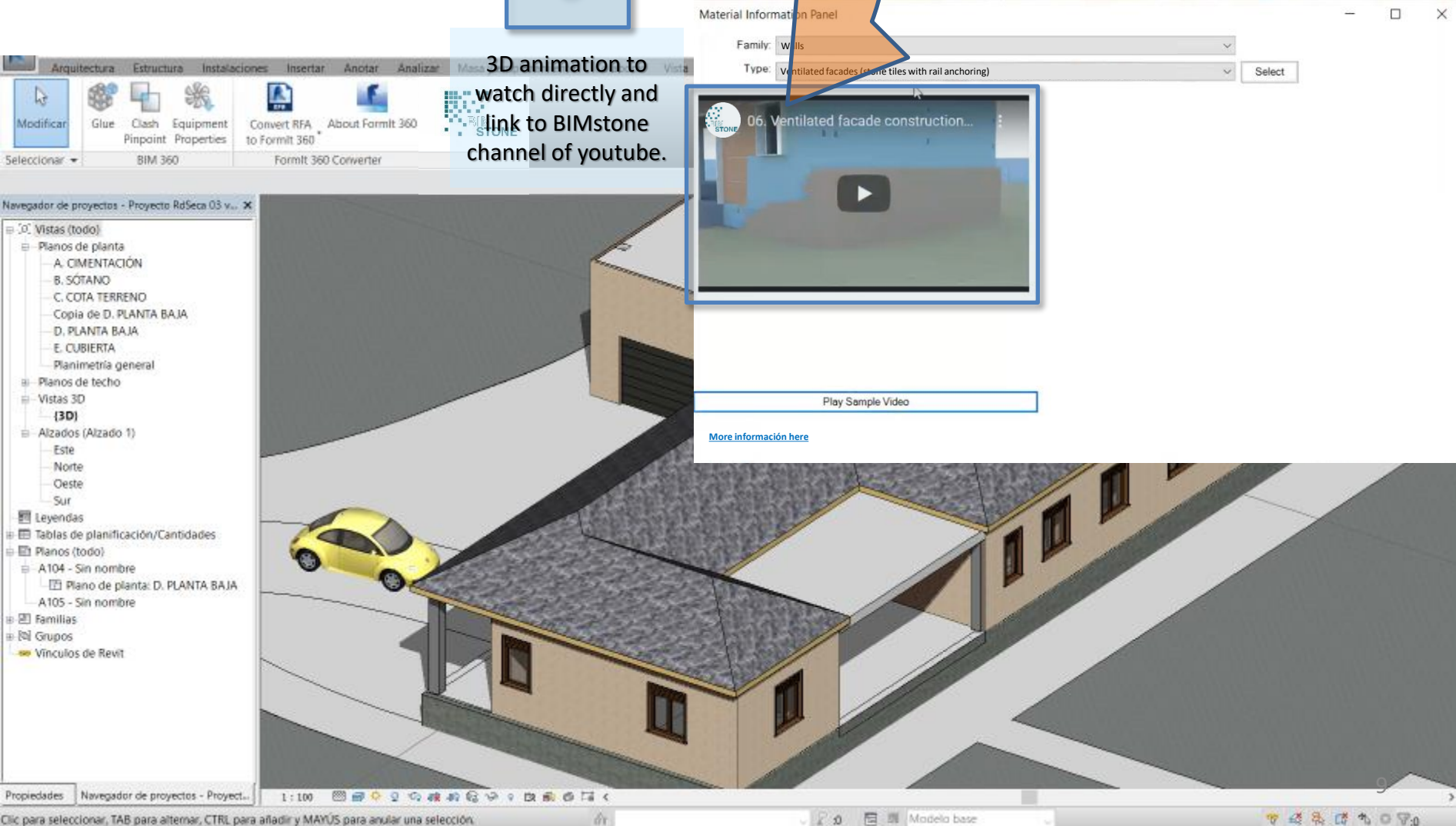
Clic para seleccionar, TAB para alternar, CTRL para añadir y MAYUS para anular una selección.

Modelo base

O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods.

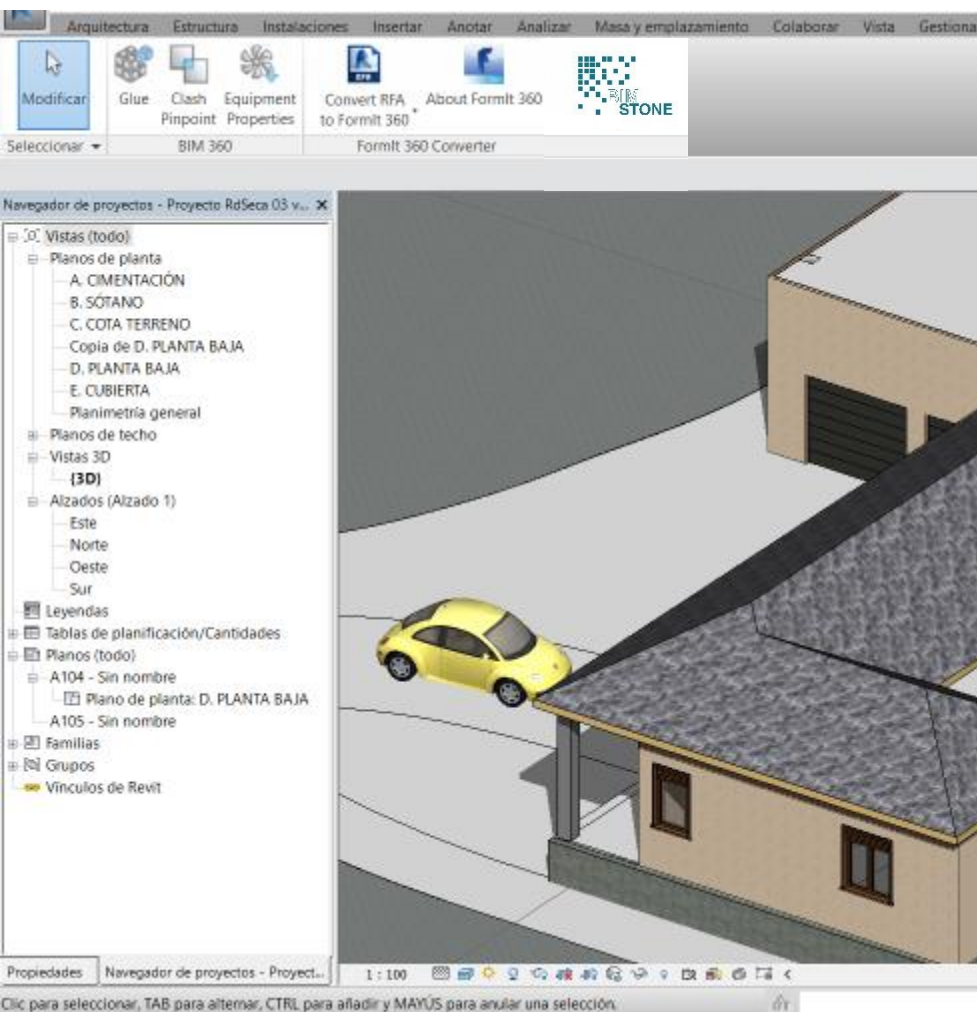
TASK IO2/A2. BIMstone tool.8

3D animation to
watch directly and
link to BIMstone
channel of youtube.



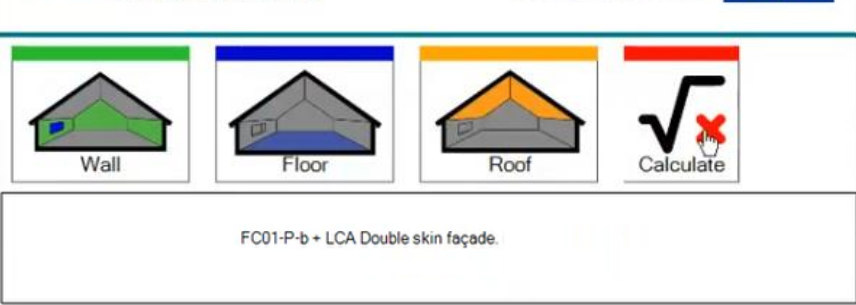
O2. BIMstone Multimedia Materials. New Interactive BIM learning methods

TASK IO2/A2. BIMstone tool.



O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



BIMstone Tool

BIM learning application focused on LCA qualification and technification of workers in natural stone sector

Co-funded by the Erasmus+ Programme of the European Union

2018-1-DE02-KA202-005146

Wall Floor Roof Calculate

FC01-P-b + LCA Double skin façade.

BIMstone Summary Table

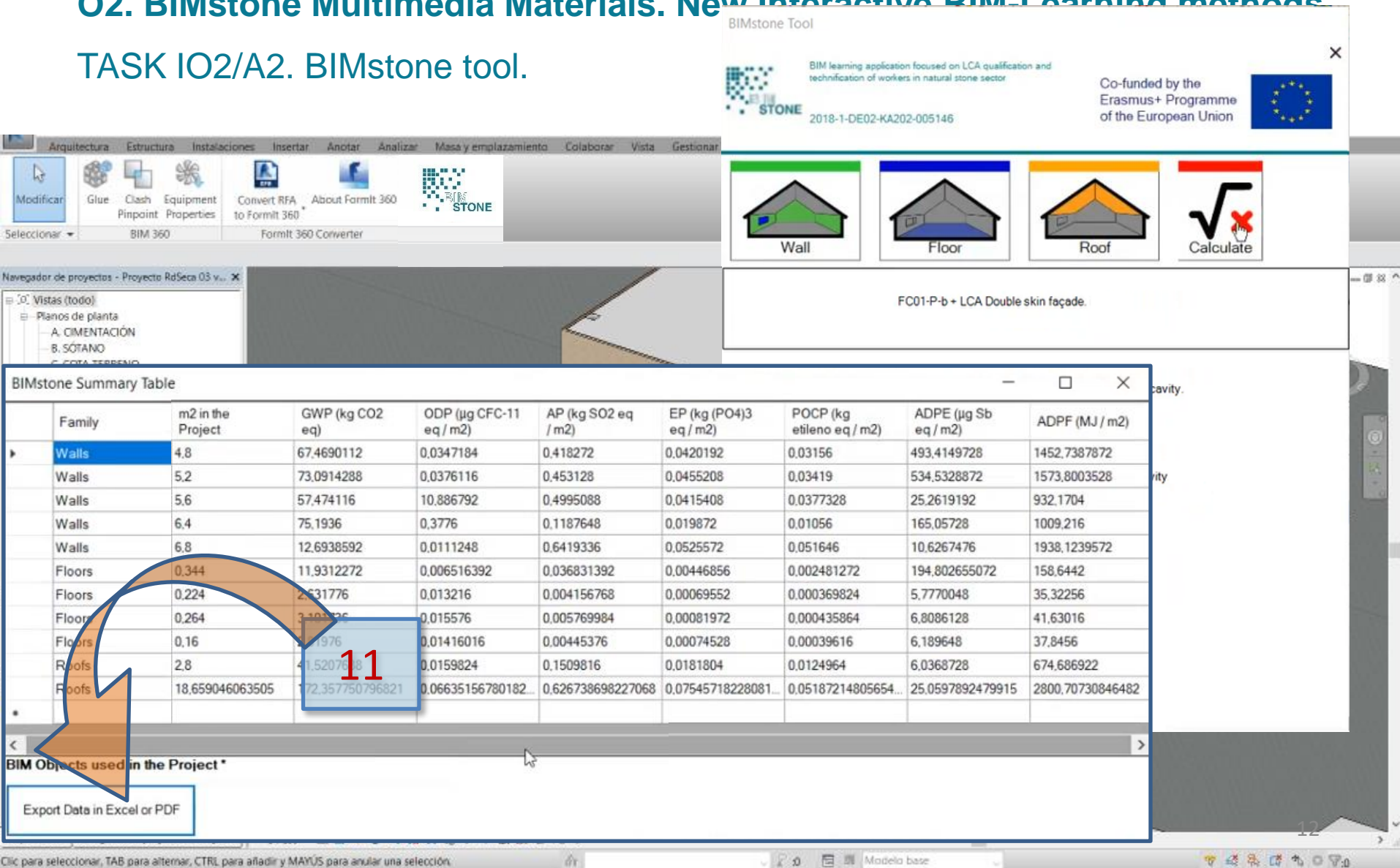
	Family	m2 in the Project	GWP (kg CO2 eq)	ODP (µg CFC-11 eq / m2)	AP (kg SO2 eq / m2)	EP (kg (PO4)3 eq / m2)	POCP (kg etileno eq / m2)	ADPE (µg Sb eq / m2)	ADPF (MJ / m2)
▶	Walls	4.8	67.4690112	0.0347184	0.418272	0.0420192	0.03156	493.4149728	1452.7387872
	Walls	5.2	73.0914288	0.0376116	0.453128	0.0455208	0.03419	534.5328872	1573.8003528
	Walls	5.6	57.474116	10.886792	0.4995088	0.0415408	0.0377328	25.2619192	932.1704
	Walls	6.4	75.1936	0.3776	0.1187648	0.019872	0.01056	165.05728	1009.216
	Walls	6.8	12.6938592	0.0111248	0.6419336	0.0525572	0.051646	10.6267476	1938.1239572
	Floors	0.344	11.9312272	0.006516392	0.036831392	0.00446856	0.002481272	194.802655072	158.6442
	Floors	0.224	2.631776	0.013216	0.004156768	0.00069552	0.000369824	5.7770048	35.32256
	Floors	0.264	3.101736	0.015576	0.005769984	0.00081972	0.000435864	6.8086128	41.63016
	Floors	0.16	2.81976	0.01416016	0.00445376	0.00074528	0.00039616	6.189648	37.8456
	Roofs	2.8	41.5207688	0.0159824	0.1509816	0.0181804	0.0124964	6.0368728	674.686922
	Roofs	18.659046063505	172.357750796821	0.06635156780182	0.626738698227068	0.07545718228081	0.05187214805654	25.0597892479915	2800.70730846482

BIM Objects used in the Project *

Export Data in Excel or PDF

O2. BIMstone Multimedia Materials. New Interactive BIM-Learning methods

TASK IO2/A2. BIMstone tool.



The screenshot displays the BIMstone Tool interface, which is a BIM learning application focused on LCA qualification and technification of workers in the natural stone sector. The interface includes a menu bar, a toolbar, a project navigator, and a main workspace.

The **BIMstone Summary Table** is a table showing the environmental impact of different building components. The table has 10 columns: Family, m2 in the Project, GWP (kg CO2 eq), ODP (µg CFC-11 eq / m2), AP (kg SO2 eq / m2), EP (kg (PO4)3 eq / m2), POCP (kg etileno eq / m2), ADPE (µg Sb eq / m2), and ADPF (MJ / m2). The table lists various building components, including Walls, Floors, and Roofs, with their respective environmental impact values.

The **BIM Objects used in the Project** section shows a list of objects used in the project. A blue box highlights the value **11** in the table, and a blue arrow points to the **Export Data in Excel or PDF** button.

Family	m2 in the Project	GWP (kg CO2 eq)	ODP (µg CFC-11 eq / m2)	AP (kg SO2 eq / m2)	EP (kg (PO4)3 eq / m2)	POCP (kg etileno eq / m2)	ADPE (µg Sb eq / m2)	ADPF (MJ / m2)
Walls	4.8	67.4690112	0.0347184	0.418272	0.0420192	0.03156	493.4149728	1452.7387872
Walls	5.2	73.0914288	0.0376116	0.453128	0.0455208	0.03419	534.5328872	1573.8003528
Walls	5.6	57.474116	10.886792	0.4995088	0.0415408	0.0377328	25.2619192	932.1704
Walls	6.4	75.1936	0.3776	0.1187648	0.019872	0.01056	165.05728	1009.216
Walls	6.8	12.6938592	0.0111248	0.6419336	0.0525572	0.051646	10.6267476	1938.1239572
Floors	0.344	11.9312272	0.006516392	0.036831392	0.00446856	0.002481272	194.802655072	158.6442
Floors	0.224	2.631776	0.013216	0.004156768	0.00069552	0.000369824	5.7770048	35.32256
Floors	0.264	3.183792	0.015576	0.005769984	0.00081972	0.000435864	6.8086128	41.63016
Floors	0.16	1.1976	0.01416016	0.00445376	0.00074528	0.00039616	6.189648	37.8456
Roofs	2.8	41.520736	0.0159824	0.1509816	0.0181804	0.0124964	6.0368728	674.686922
Roofs	18.659046063505	72.357750796821	0.06635156780182	0.626738698227068	0.07545718228081	0.05187214805654	25.0597892479915	2800.70730846482

BIM Objects used in the Project *

Export Data in Excel or PDF