

CAI JAGUARIBE

(CENTRO DE APRENDIZAGEM E INOVAÇÃO)

SENAI CIMATEC - CORE
STAKEHOLDER FOR THE PROJECT

CHOOSEN SITE: RUA DA GRATIDÃO.
BAIRRO DA PAZ, SSA - BA

RATIONALE:

CAI JAGUARIBE IS A LEARNING AND INNOVATION CENTER FOCUSED ON REABILITY OF SALVADOR'S HYDROBASINS, STARTING ON JAGUARIBE RIVER BASIN, WHICH IS POLLUTED TODAY. ACTIN AS A PILOT FOR THE CITY, THE ENVIROMENT WILL BE PART OF SENAI CIMATEC EXPASION PROGRAM, ALIGNED WITH ITS MISSION OF BRINGING SUSTAINABILITY AND INNOVATION TO CONSTRUCTION INDUSTRY AGENDA. THE PROJECT VISION IS BASED ON THE UNDERSTANDING THAT THE FUTURE IS ANCESTRAL, THE TRUE DEVELOPMENT IS ONLY POSSIBLE WHEN WE RECLAIM WHAT SHOULD HAVE NEVER BEEN LOST. THE REGION ONCE WAS A INDIGENOUS TERRITORY WHERE PEOPLE USED TO LIVE IN HARMONY WITH THE WATERS, AND THAT VALUE MUST BE RESCUED WITH THE HELP OF CONTEMPORARY TECHNOLOGIES. ALSO, WITH THE RIVER RECOVERY AND THE PROJECT ACTIONS THE NEIGHBOURHOOD HEALTH MUST BE IMPROVED WITH A BETTER LANDSCAPE, MICROCLIMATE AND A MORE CONSCIOUS POLITICAL DIRECTION.

SITE ANALYSIS:

Vista de projeto



Site Analysis

Horas de sol



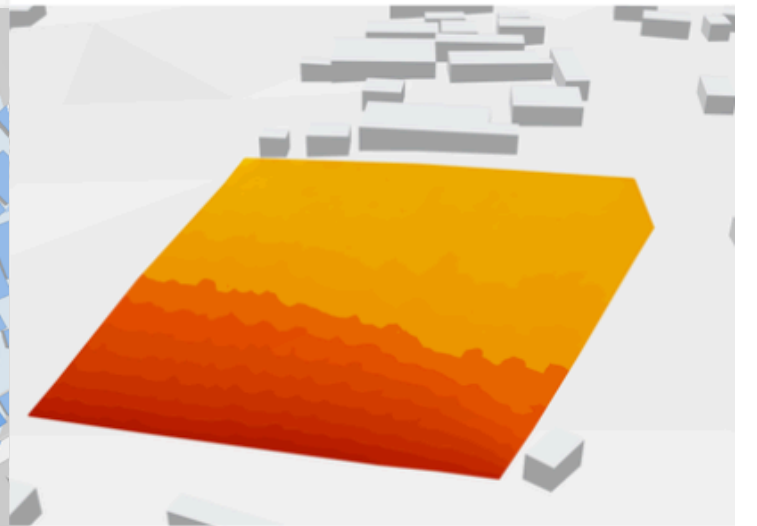
Site Analysis

Vento



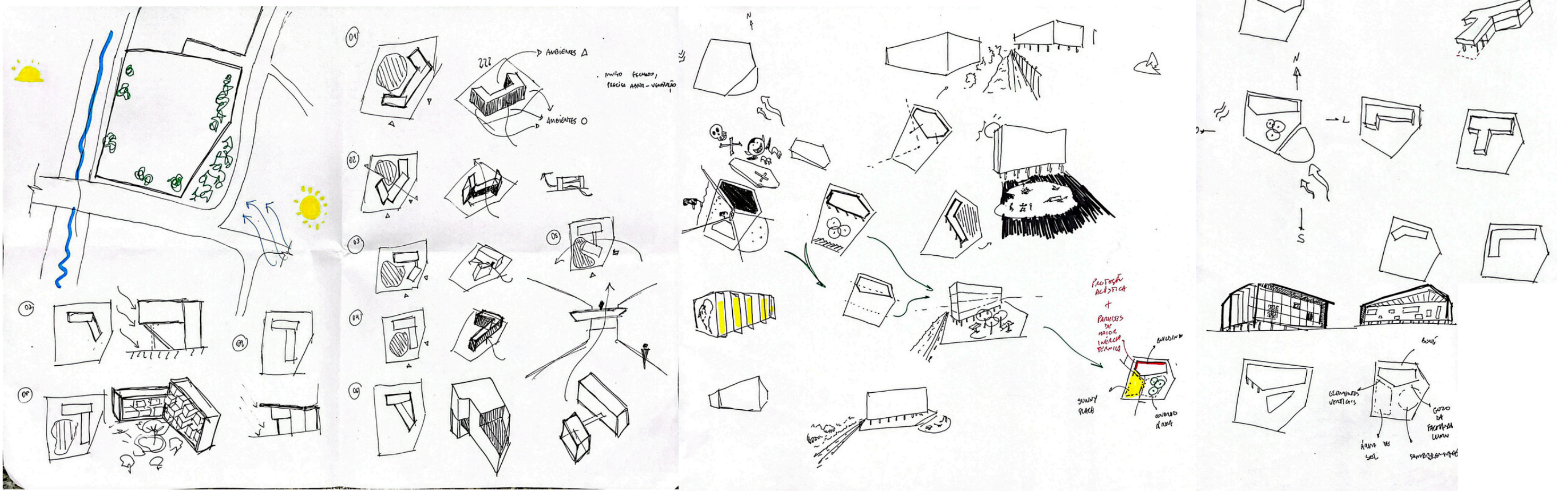
Site Analysis

Ruído

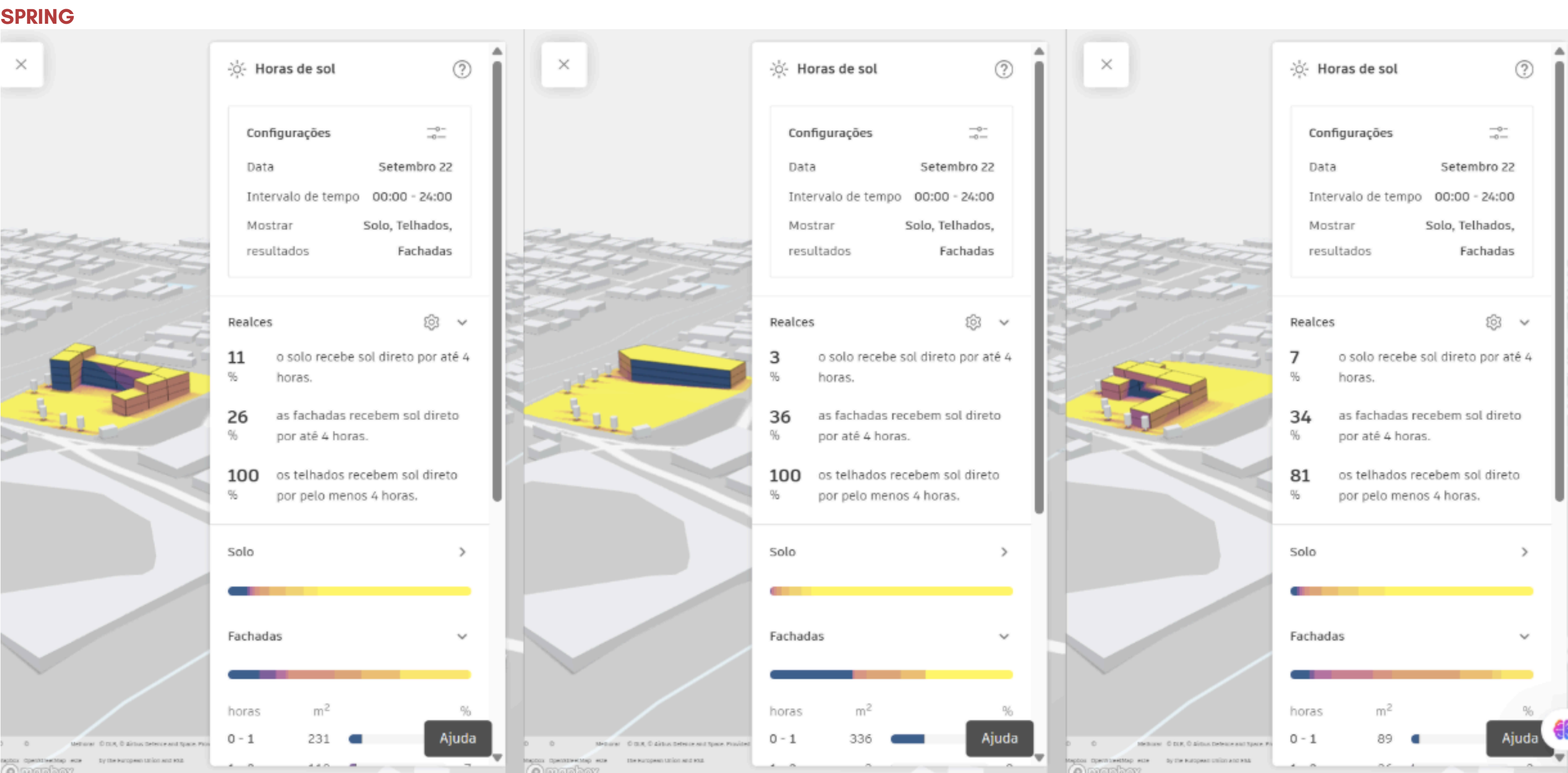
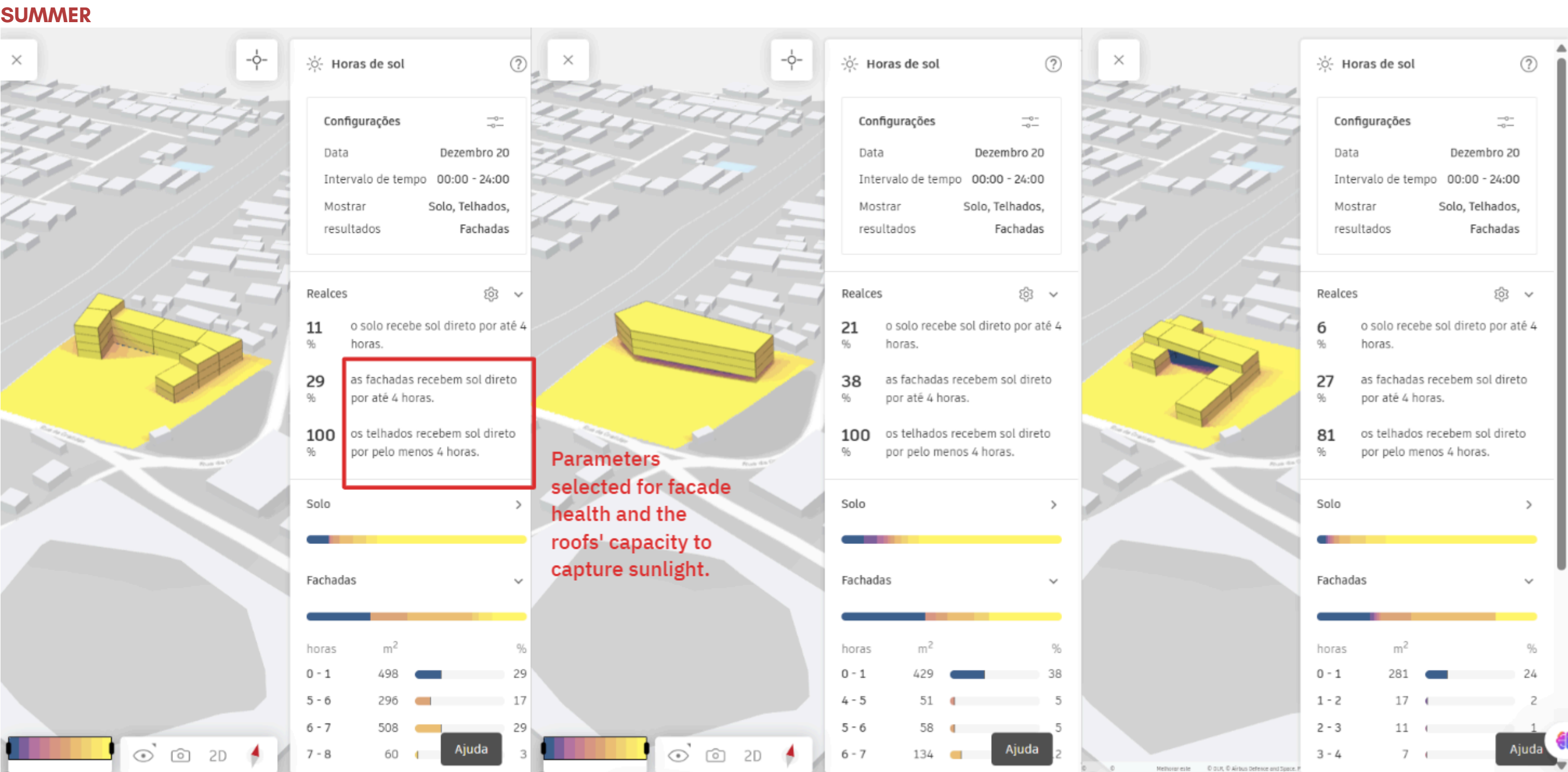


Site Analysis

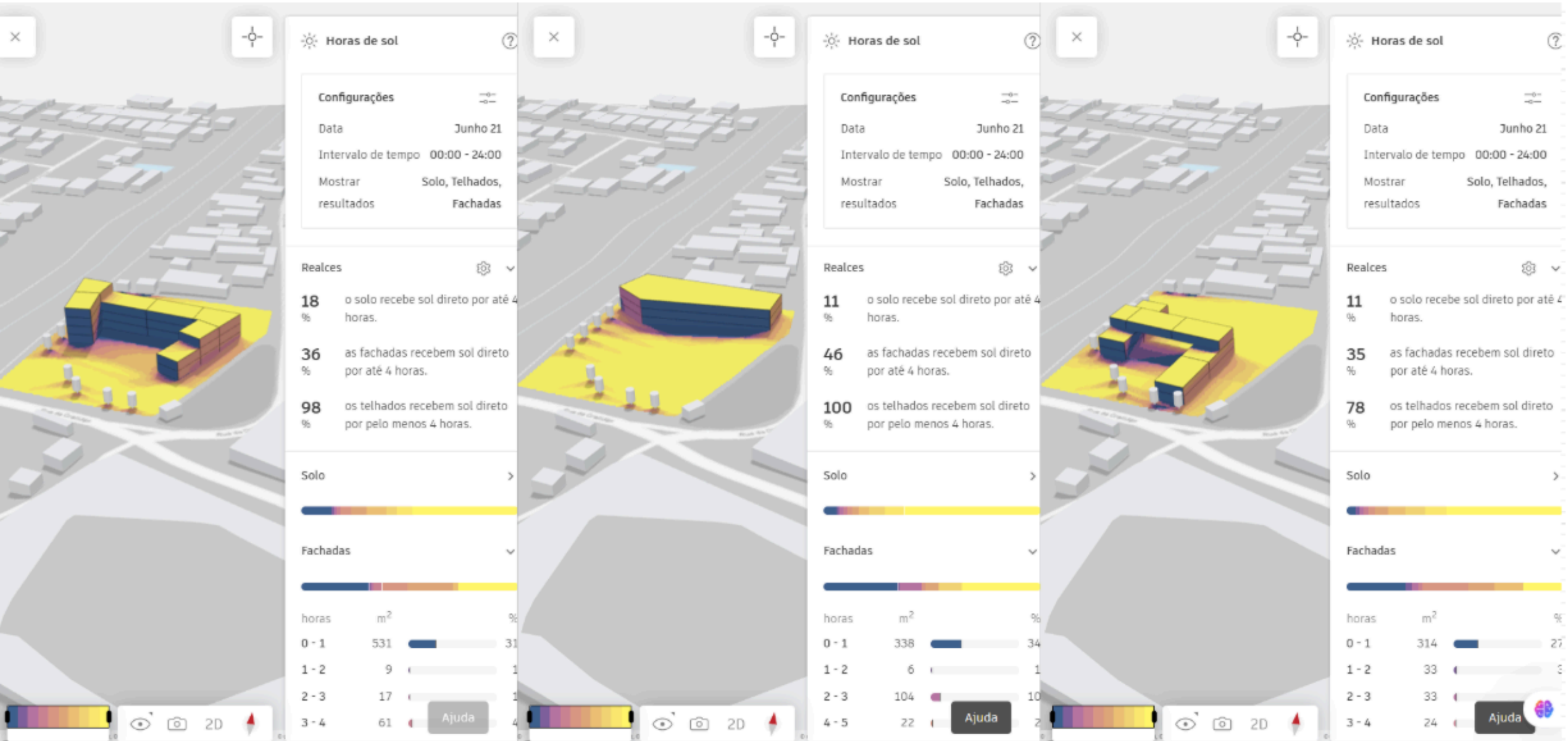
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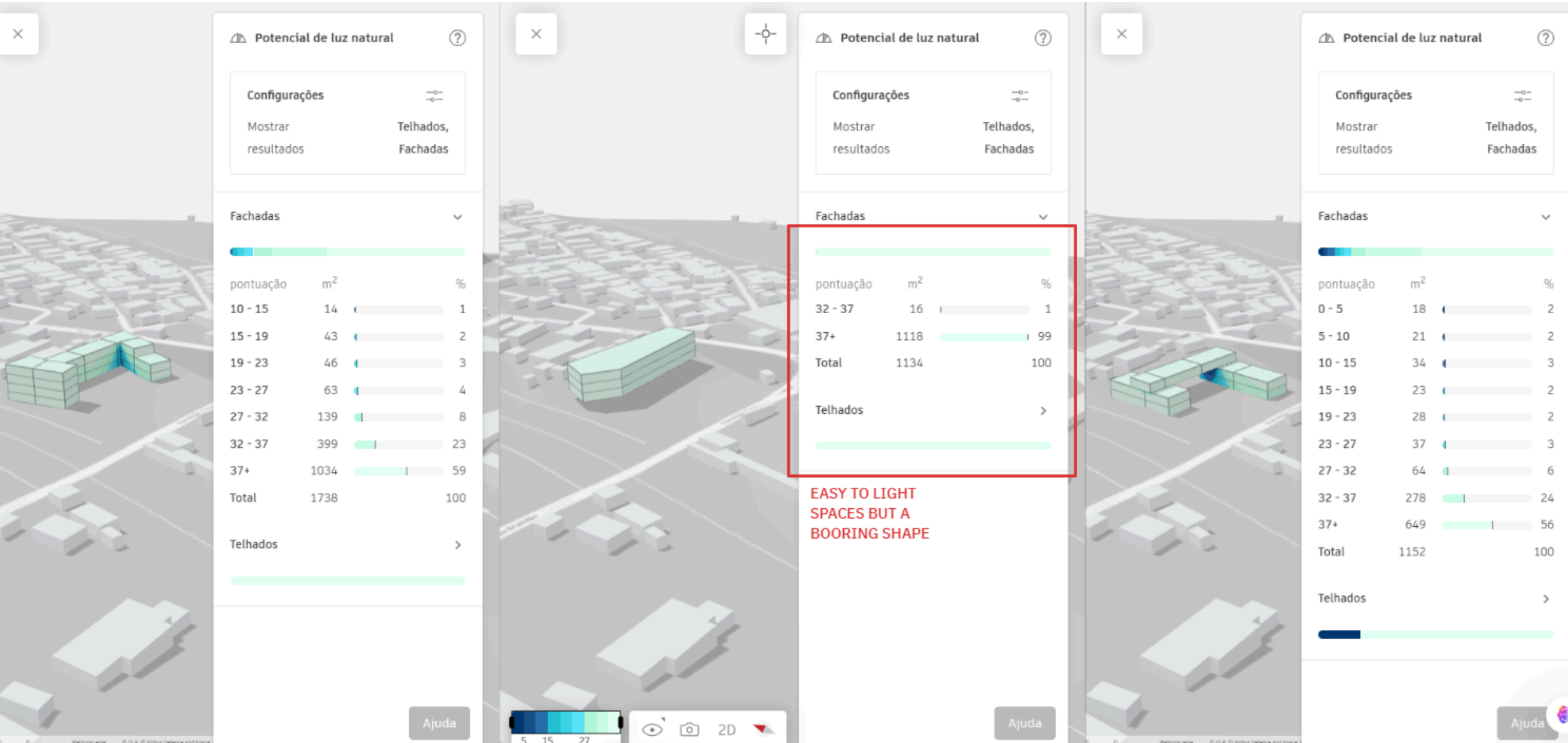
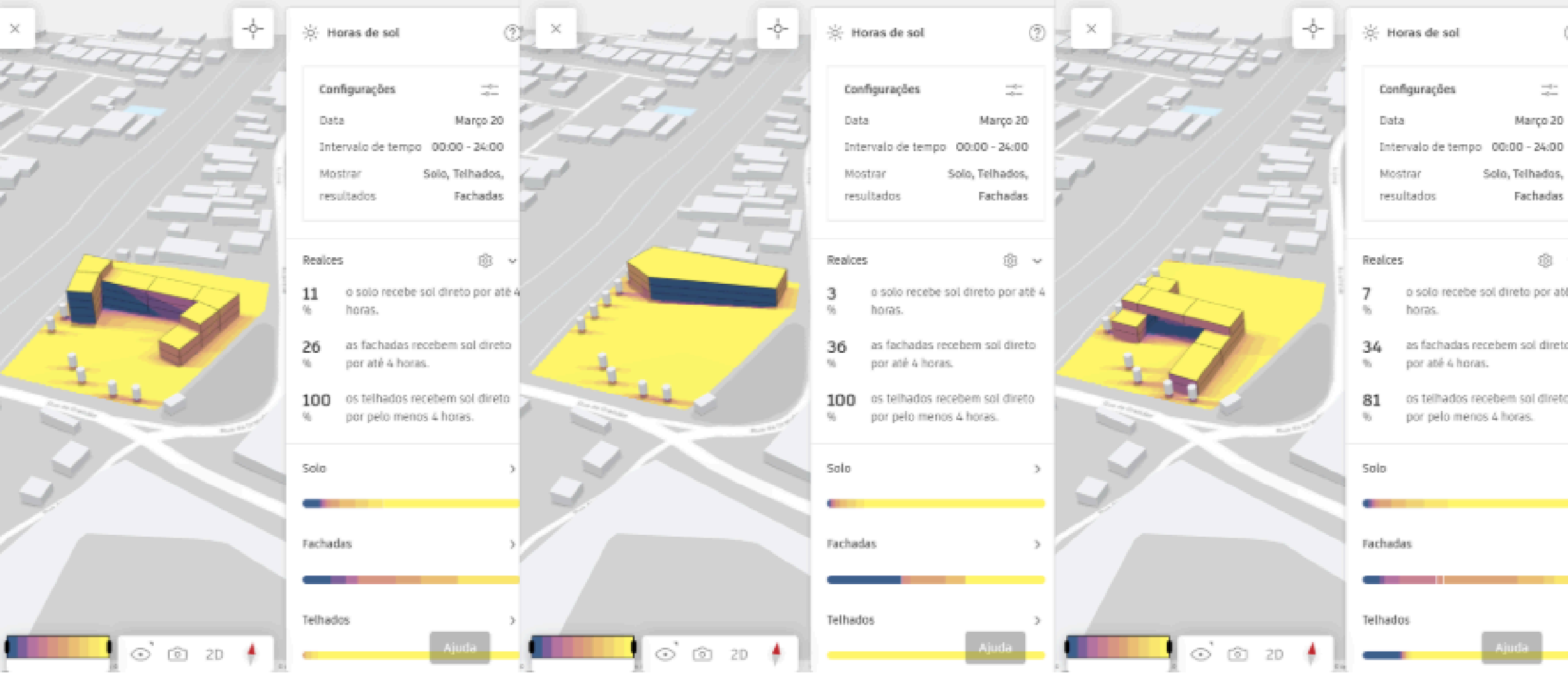
FIRST THREE:
THE GROUP CHOSE THE THREE BEST ARCHITECTURAL PARTIS TO THE FISRT RUN ON FORMA

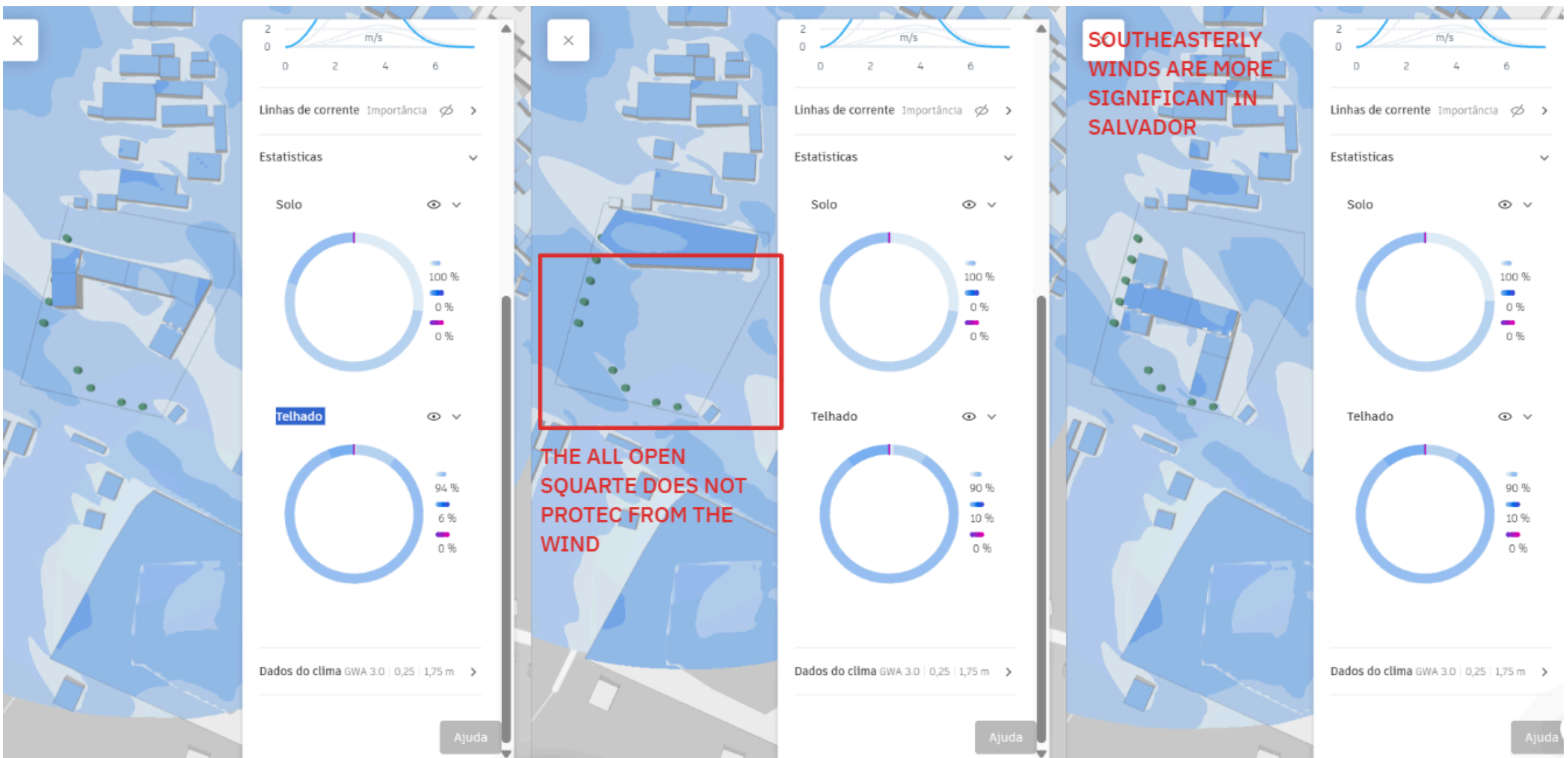
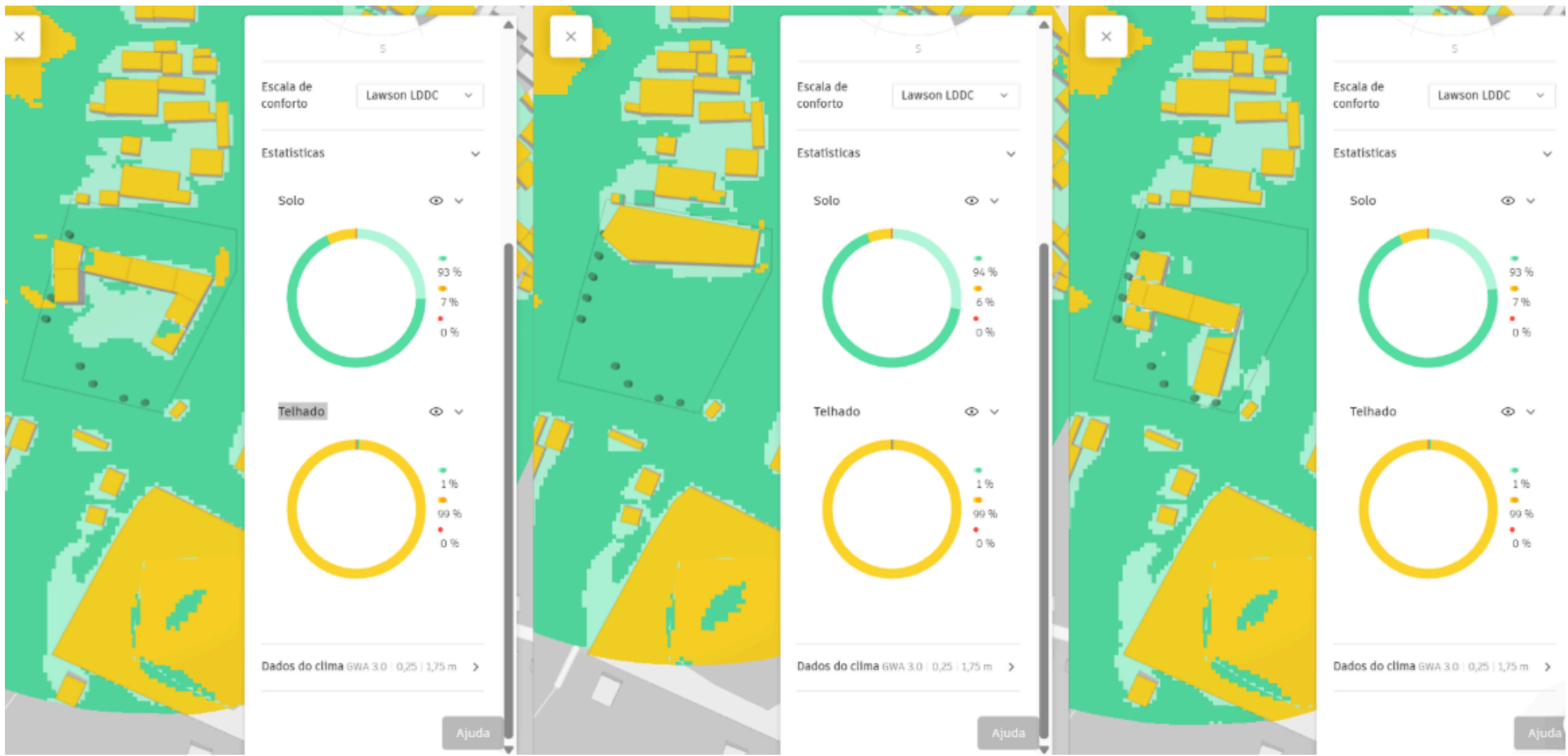


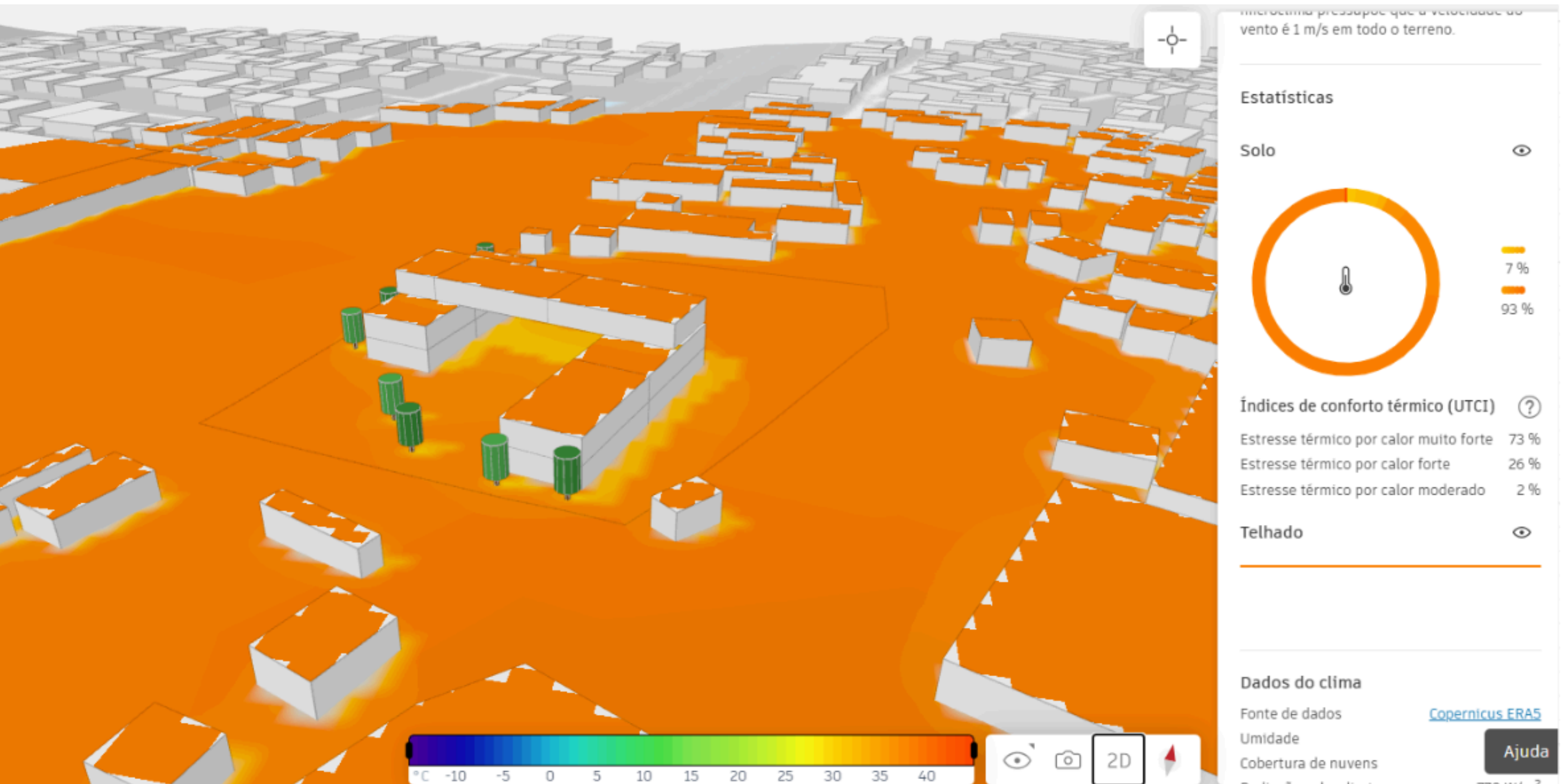
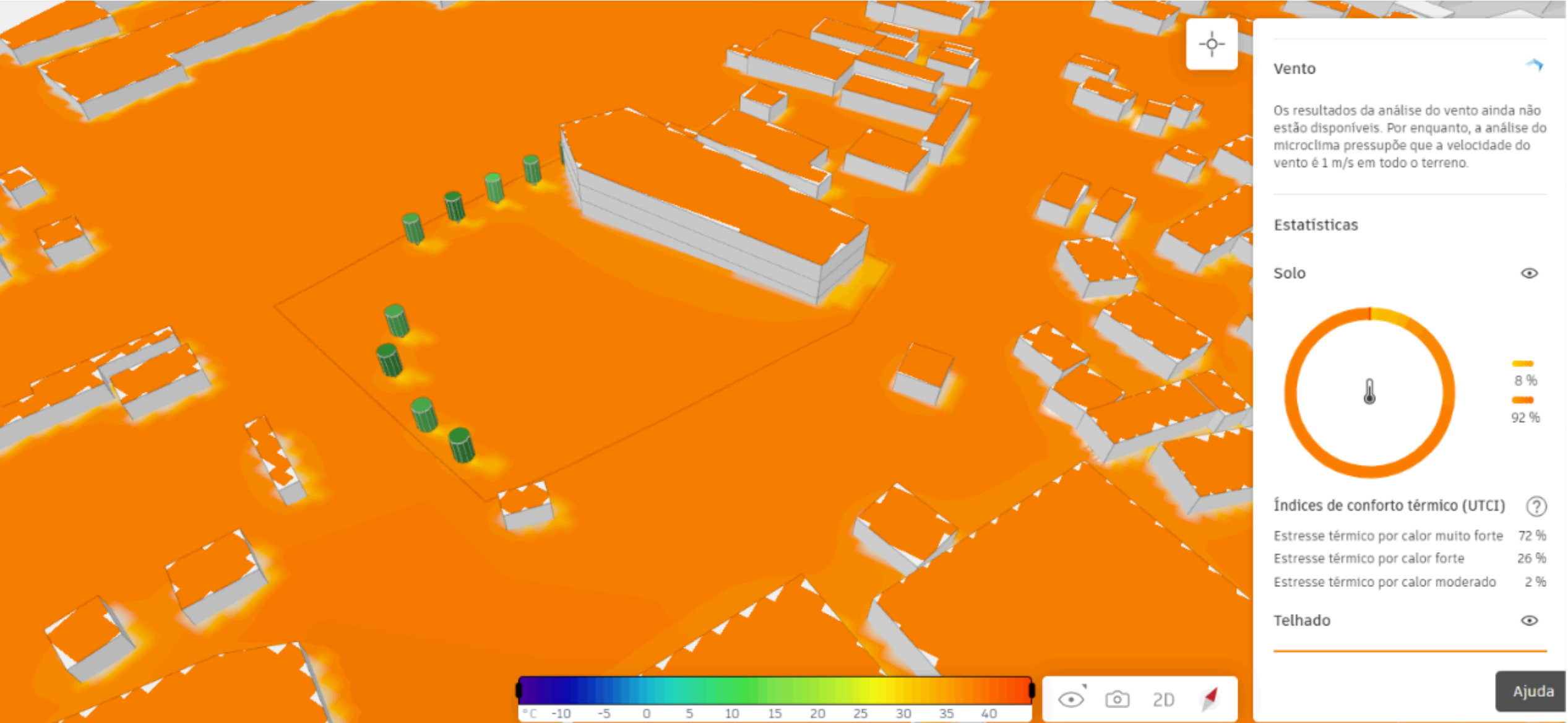
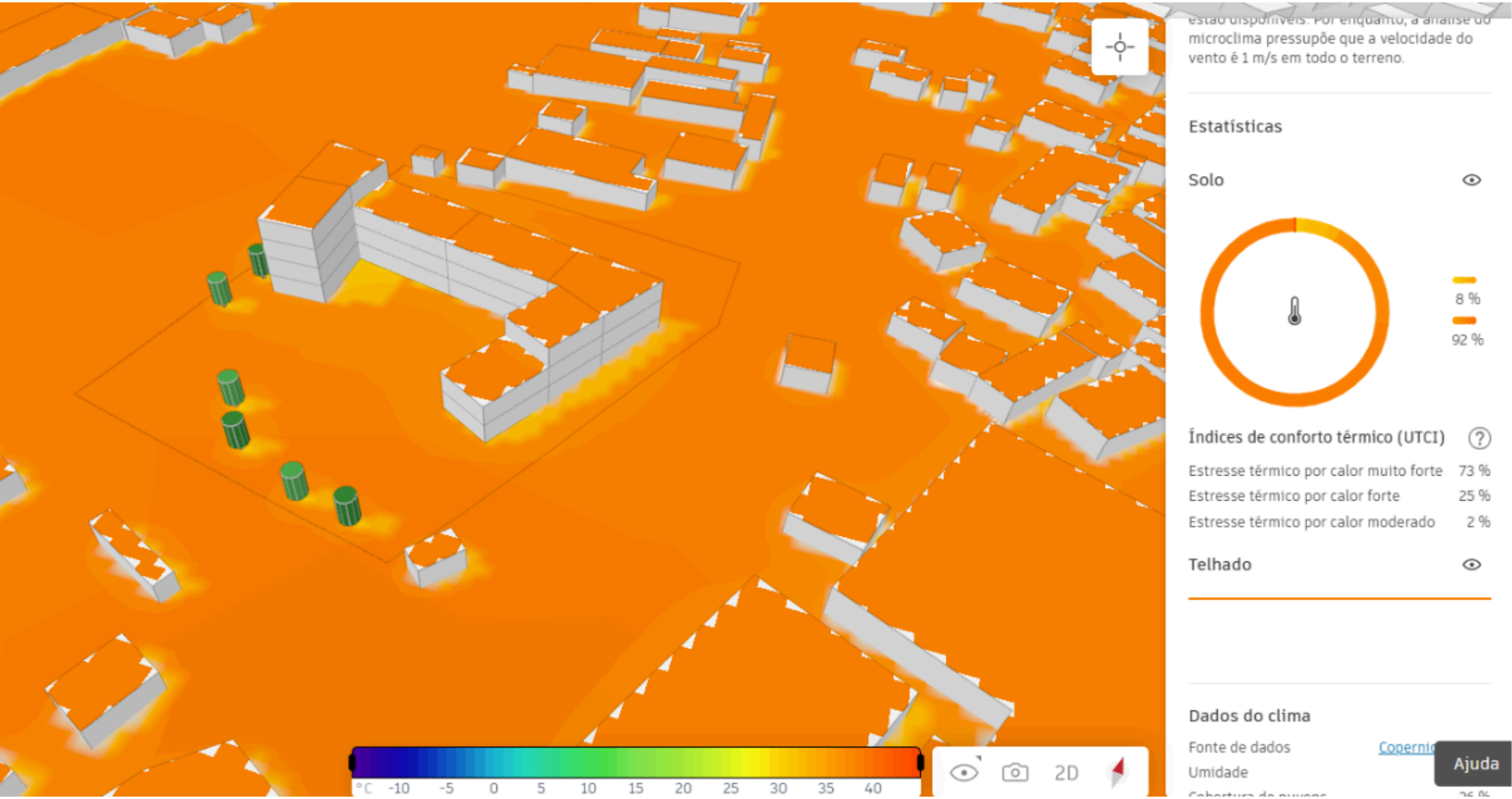
WINTER

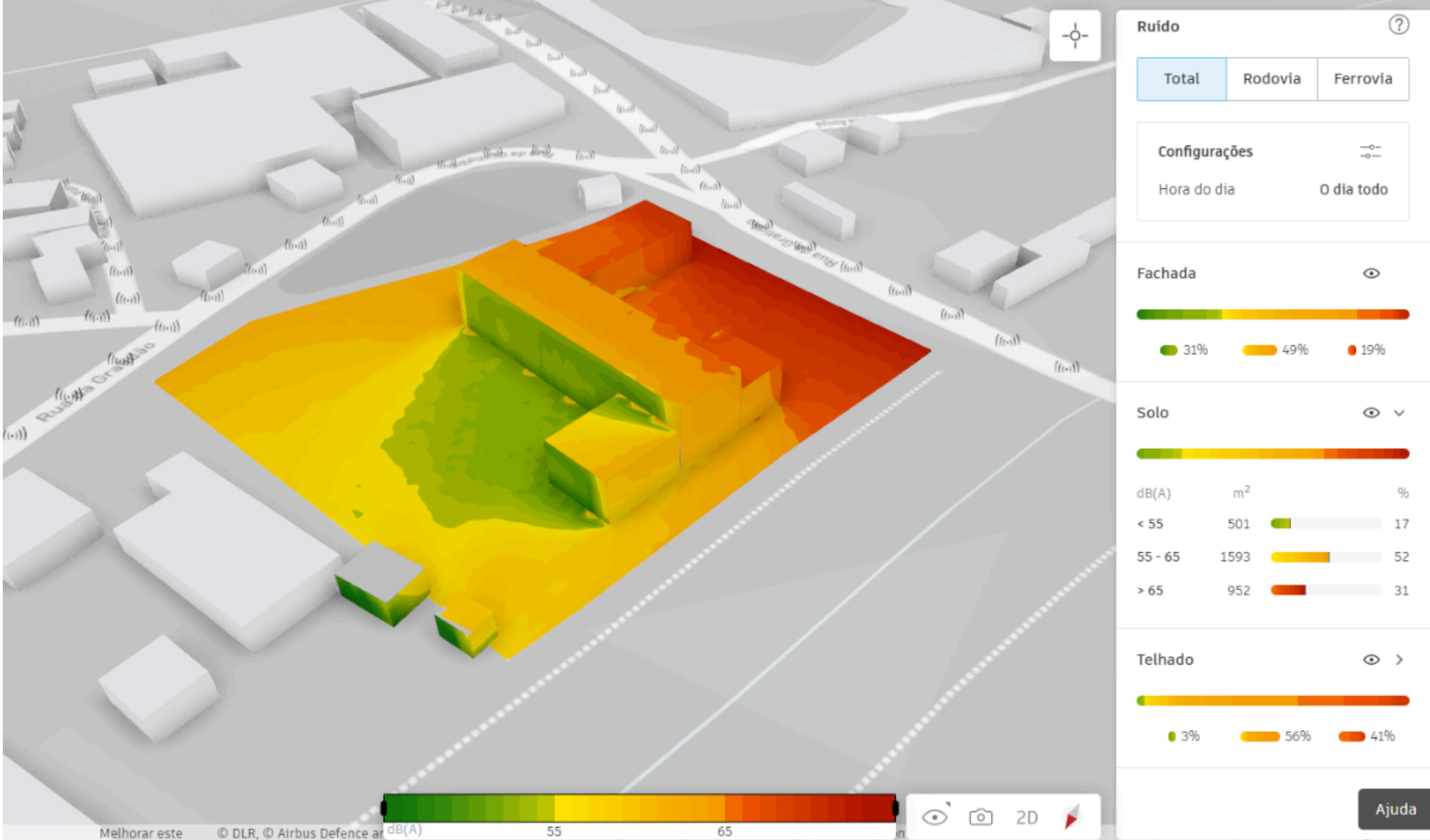
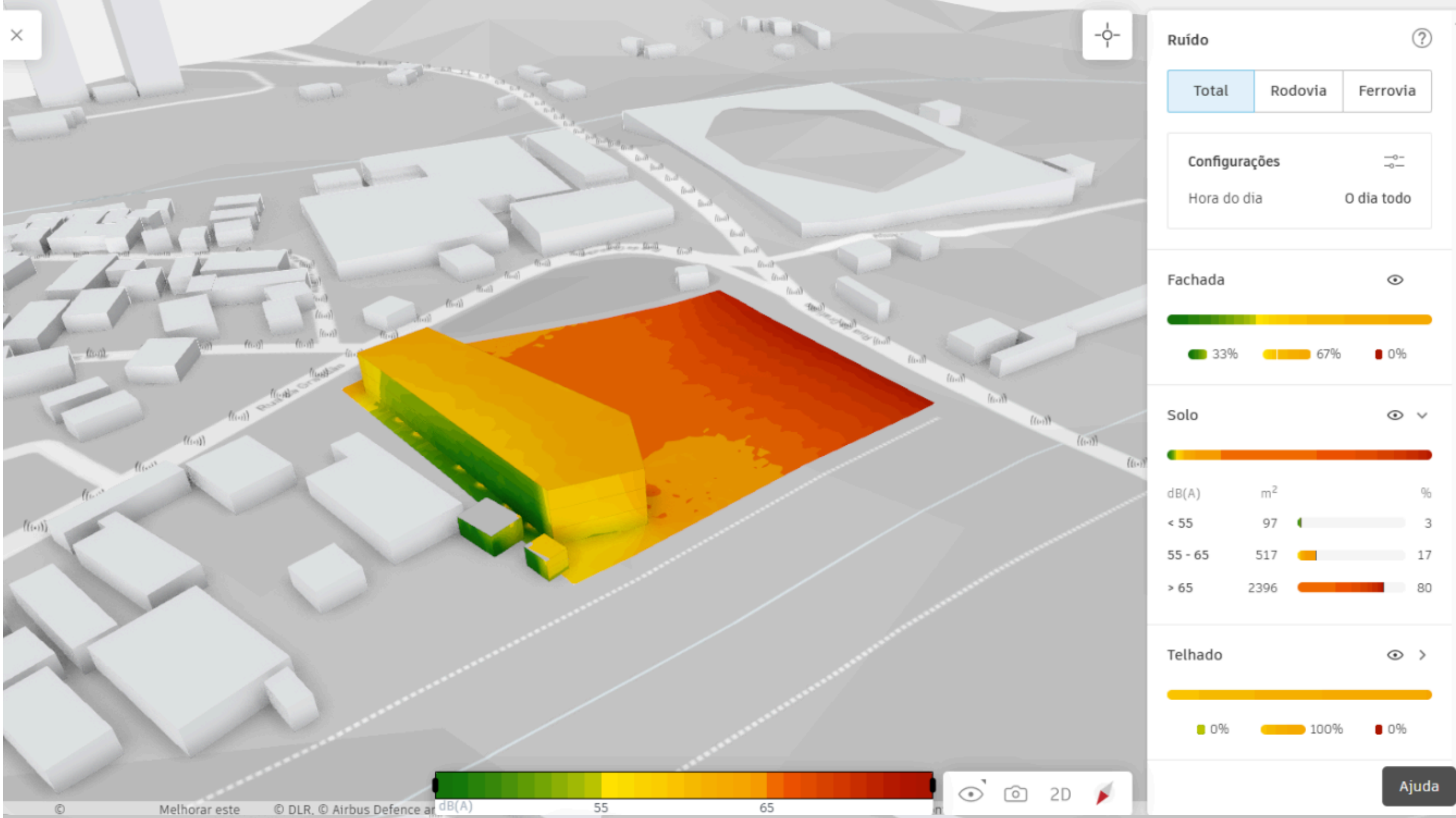
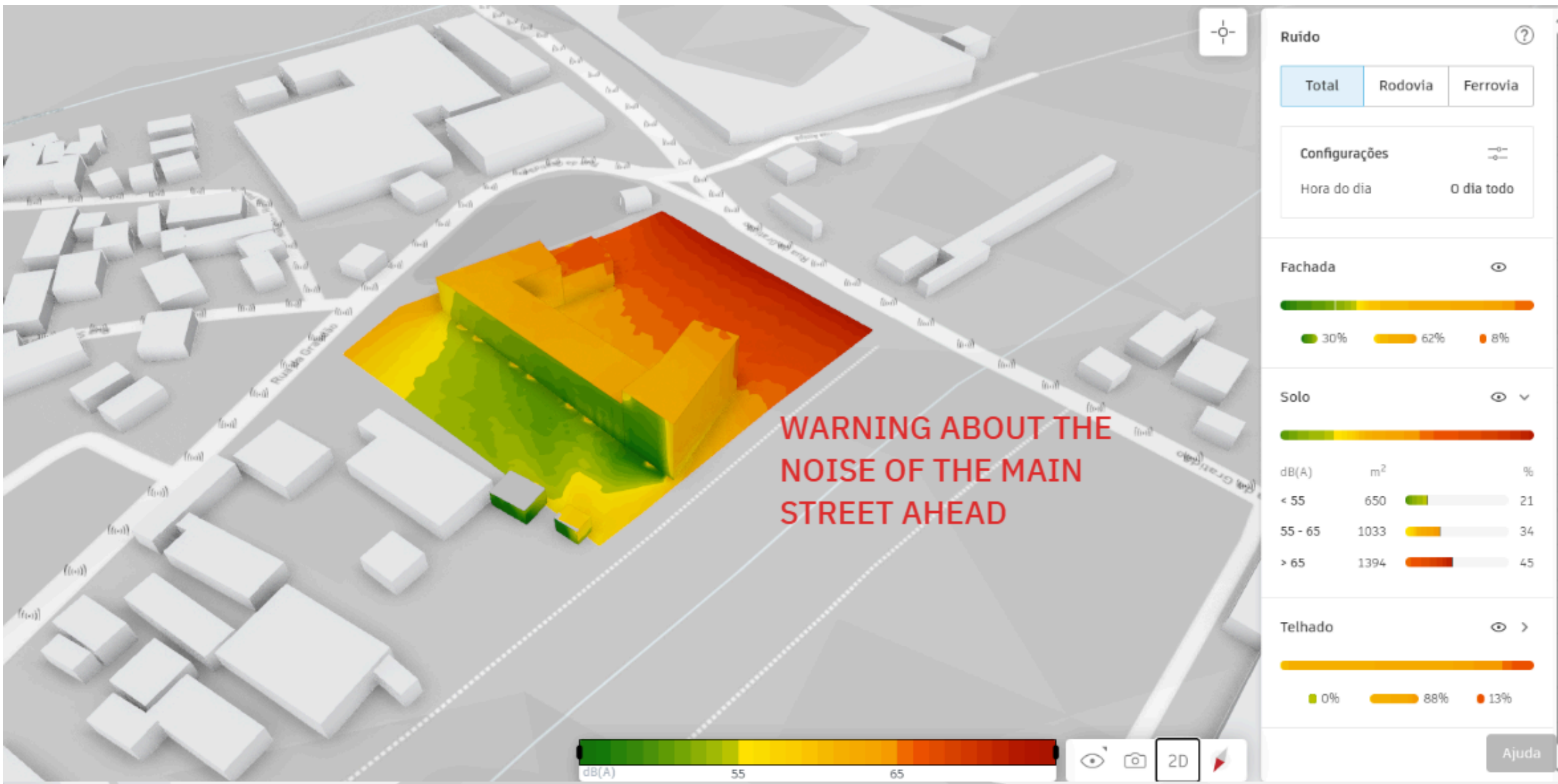


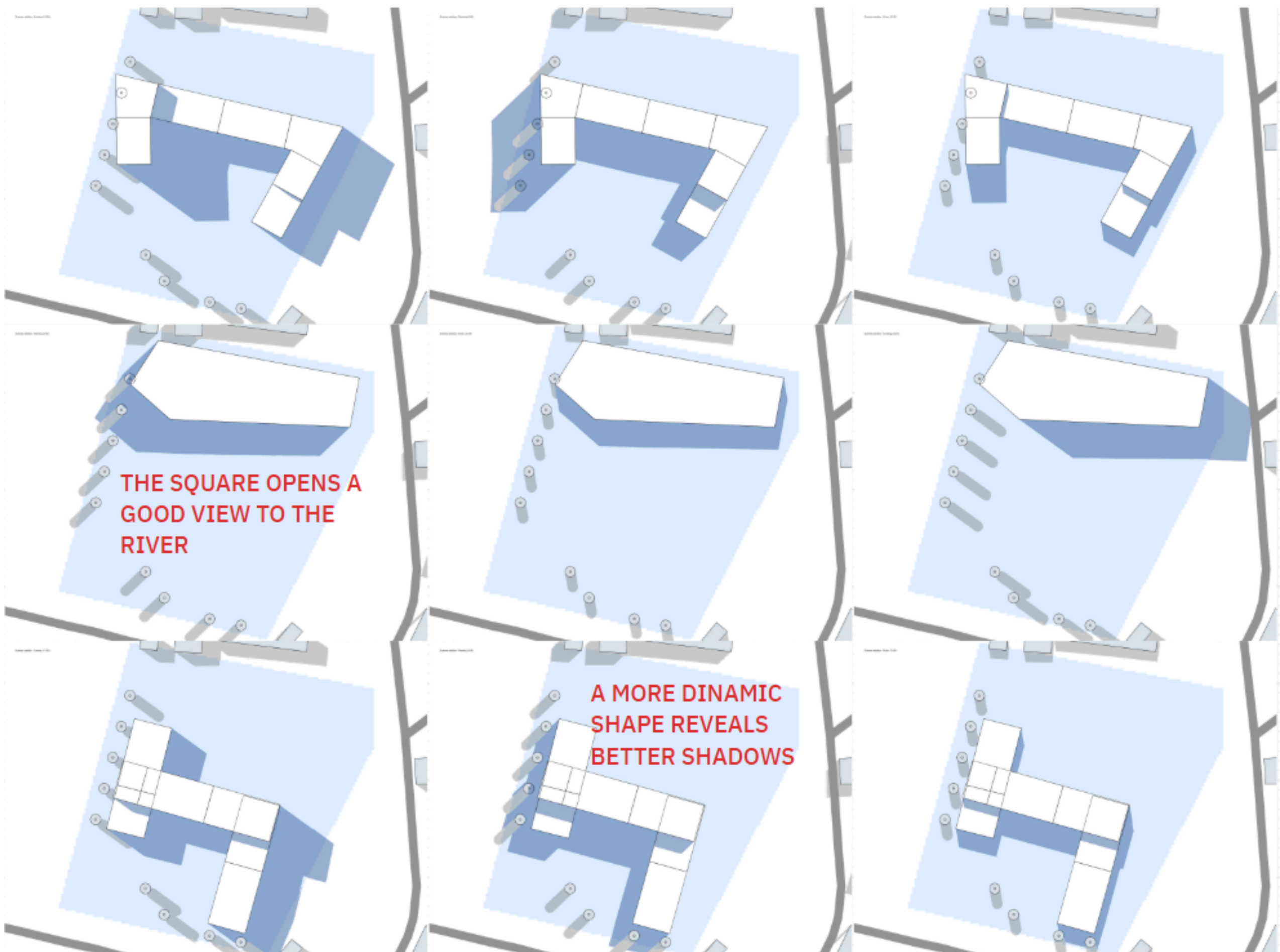
AUTUMN





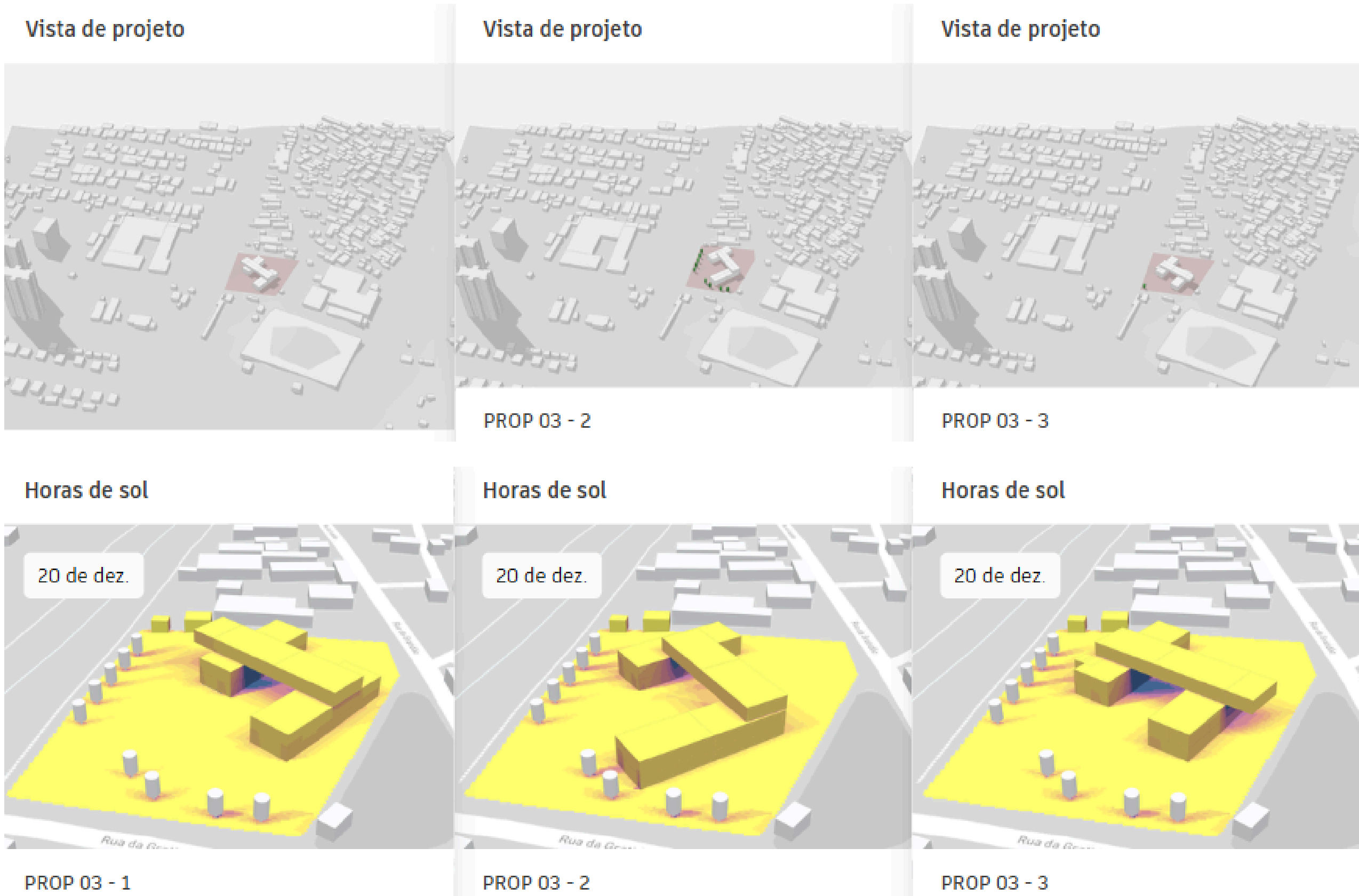




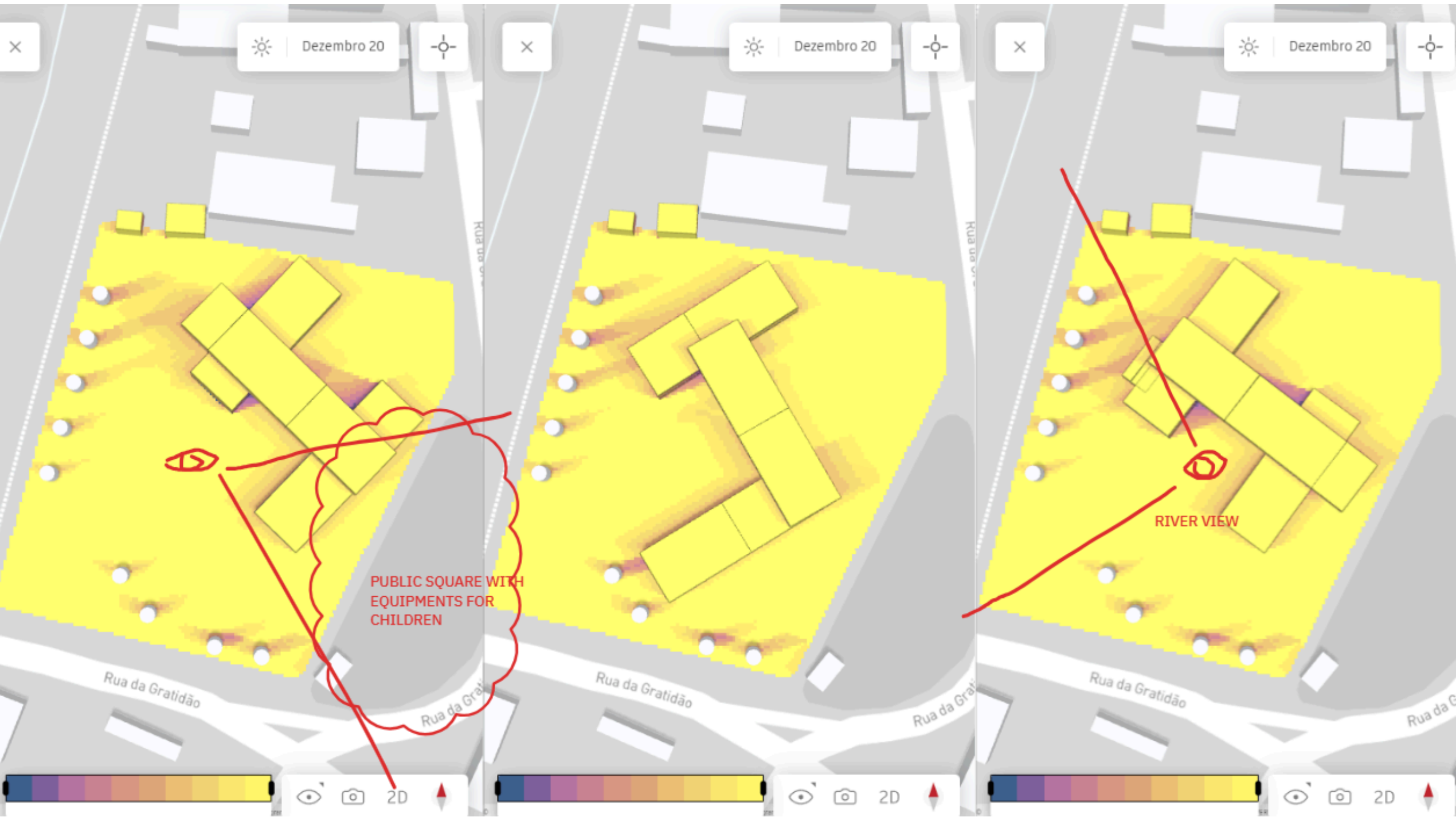


THE THIRD OPTION WAS CHOSEN BECAUSE IT PRESENTED A BETTER COMBINATION OF AN INTERESTING FORM AND A GOOD APPROACH TO BIOCLIMATIC PERFORMANCE.

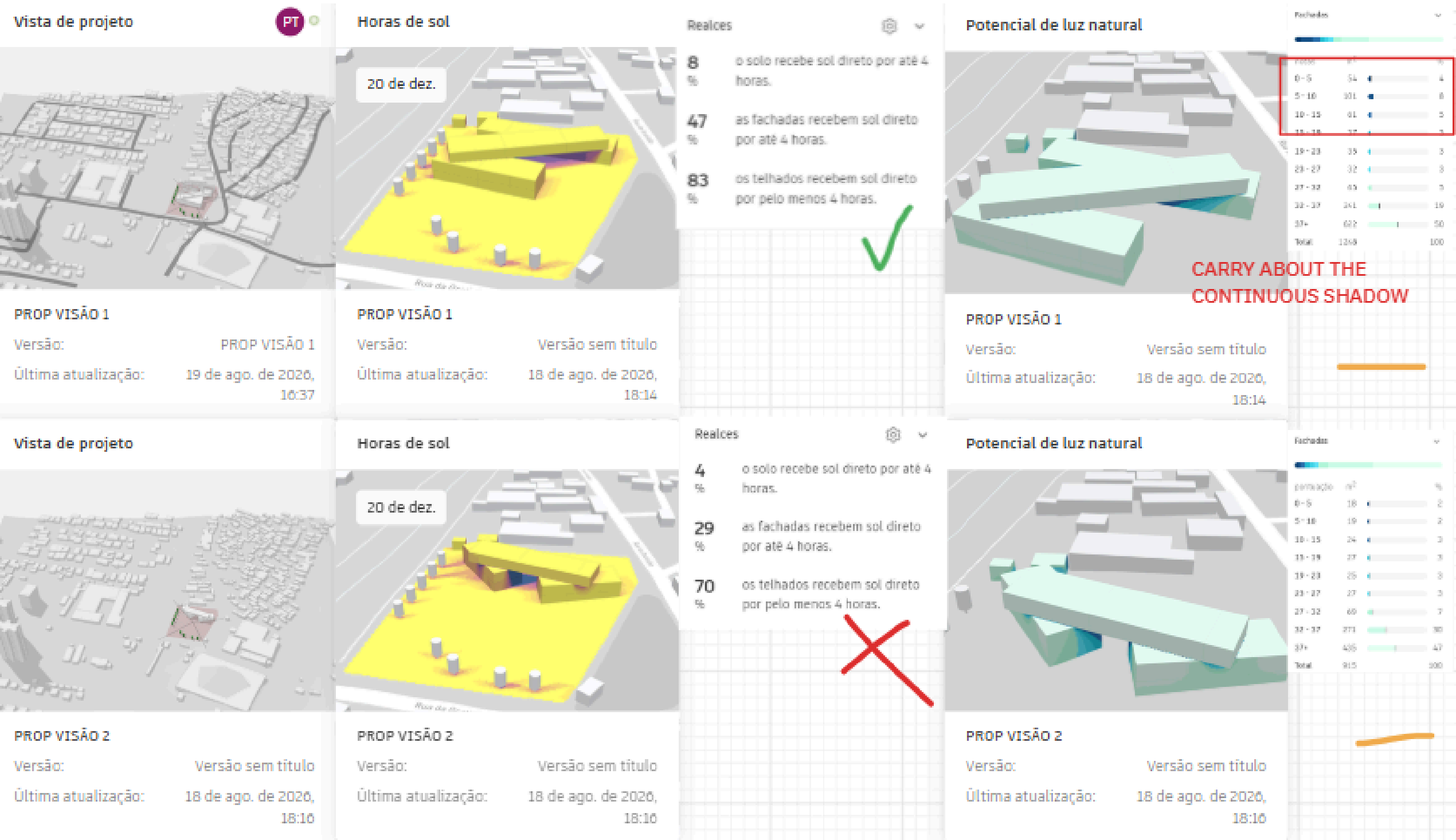
EVOLUTION OF THIRD OPTION AND THE VIEW ISSUE:

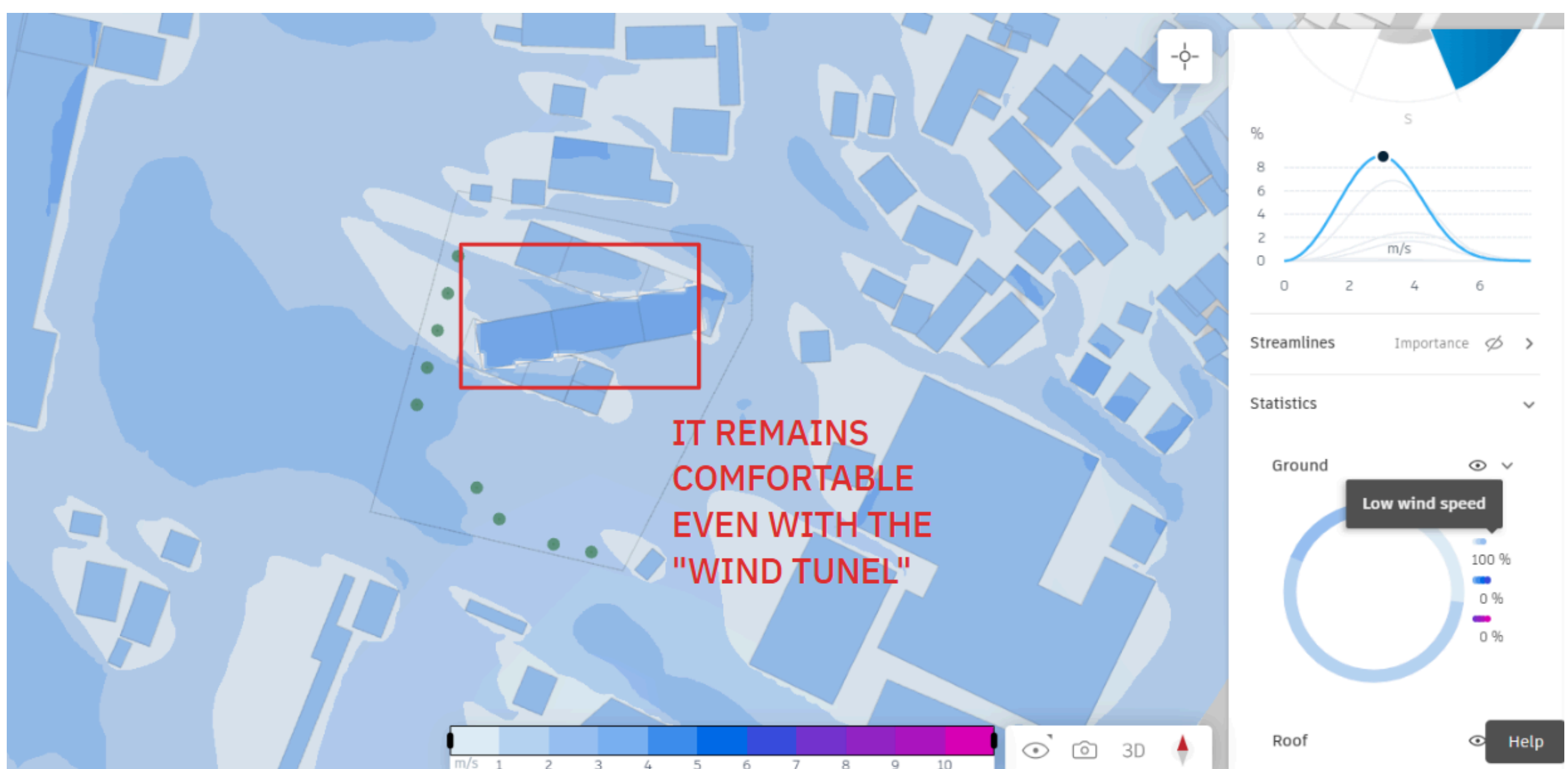
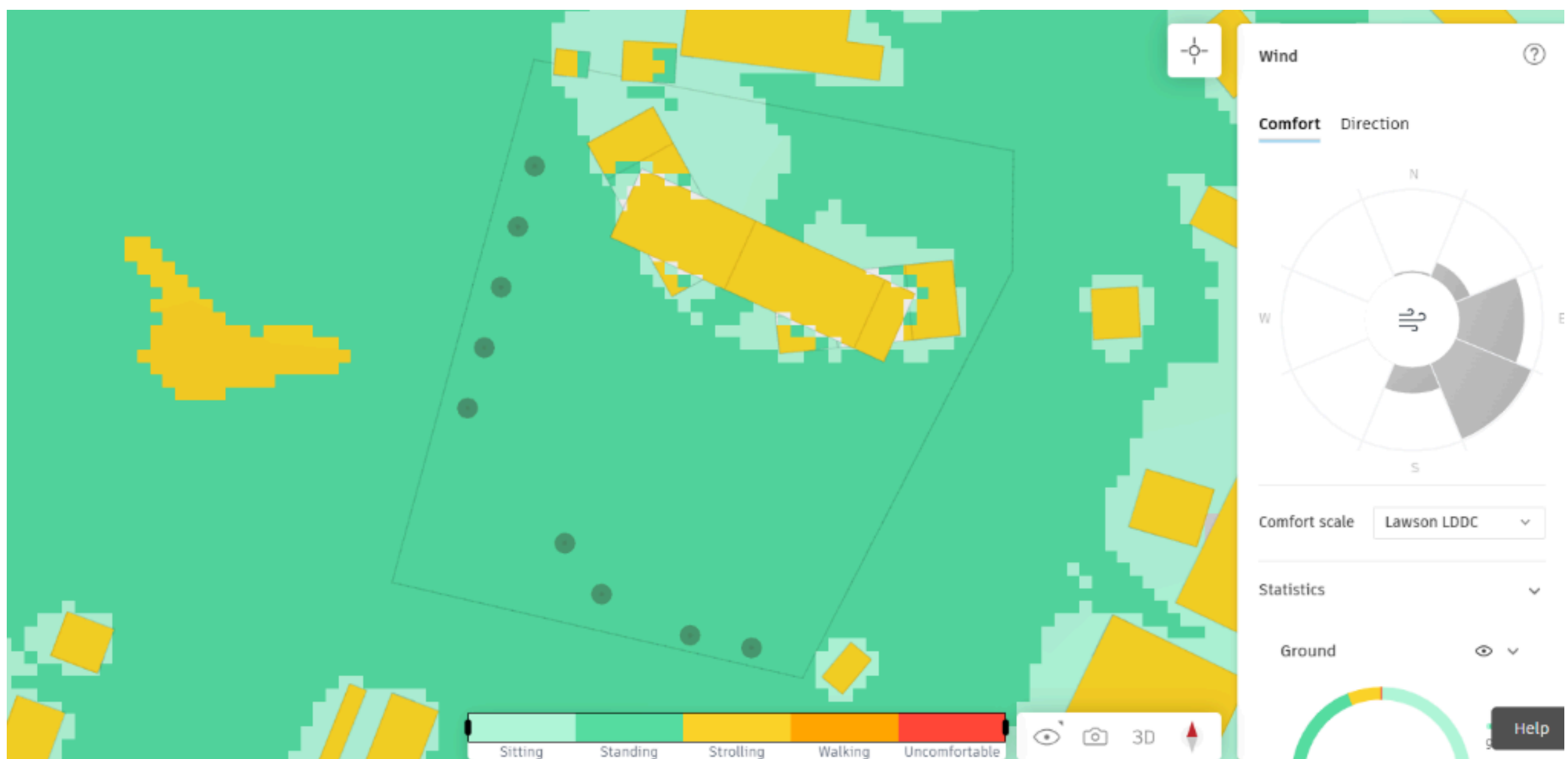
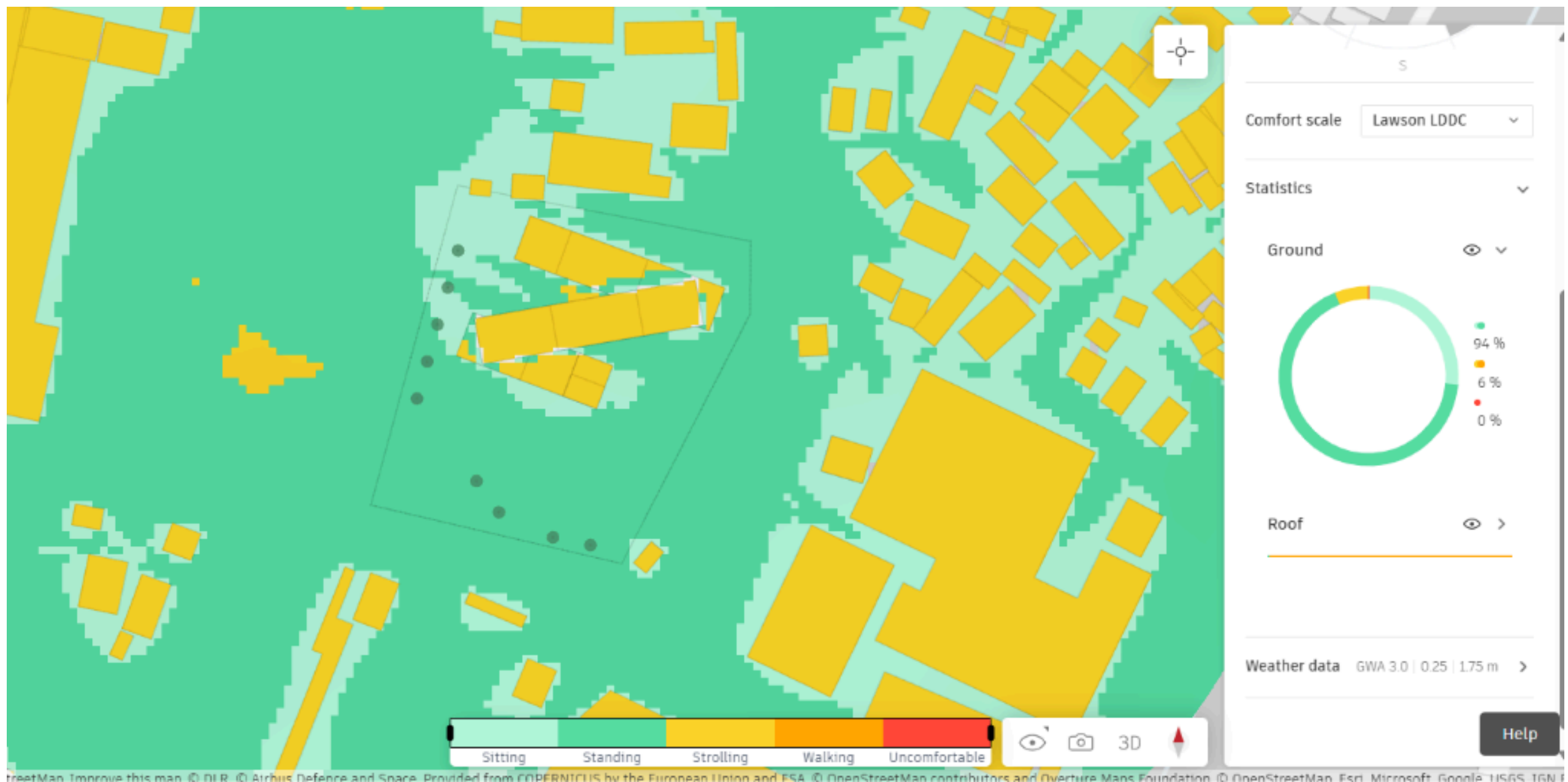


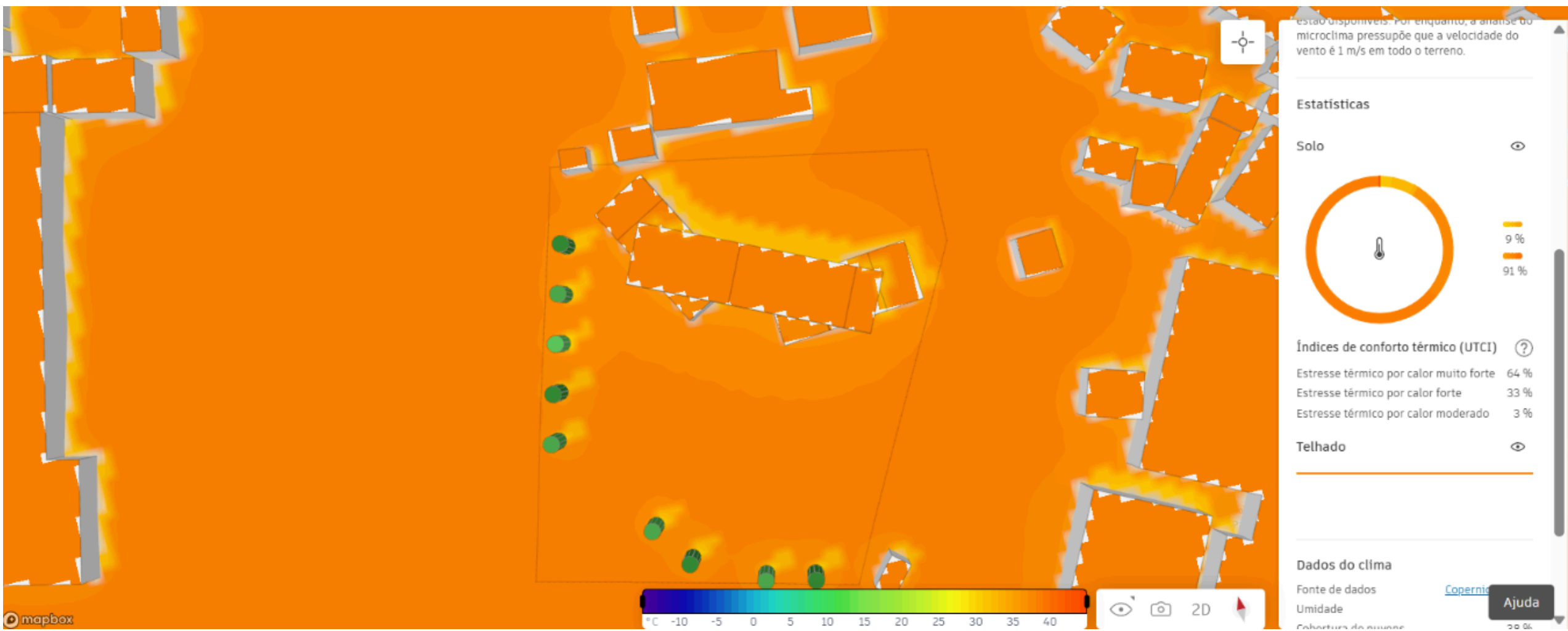
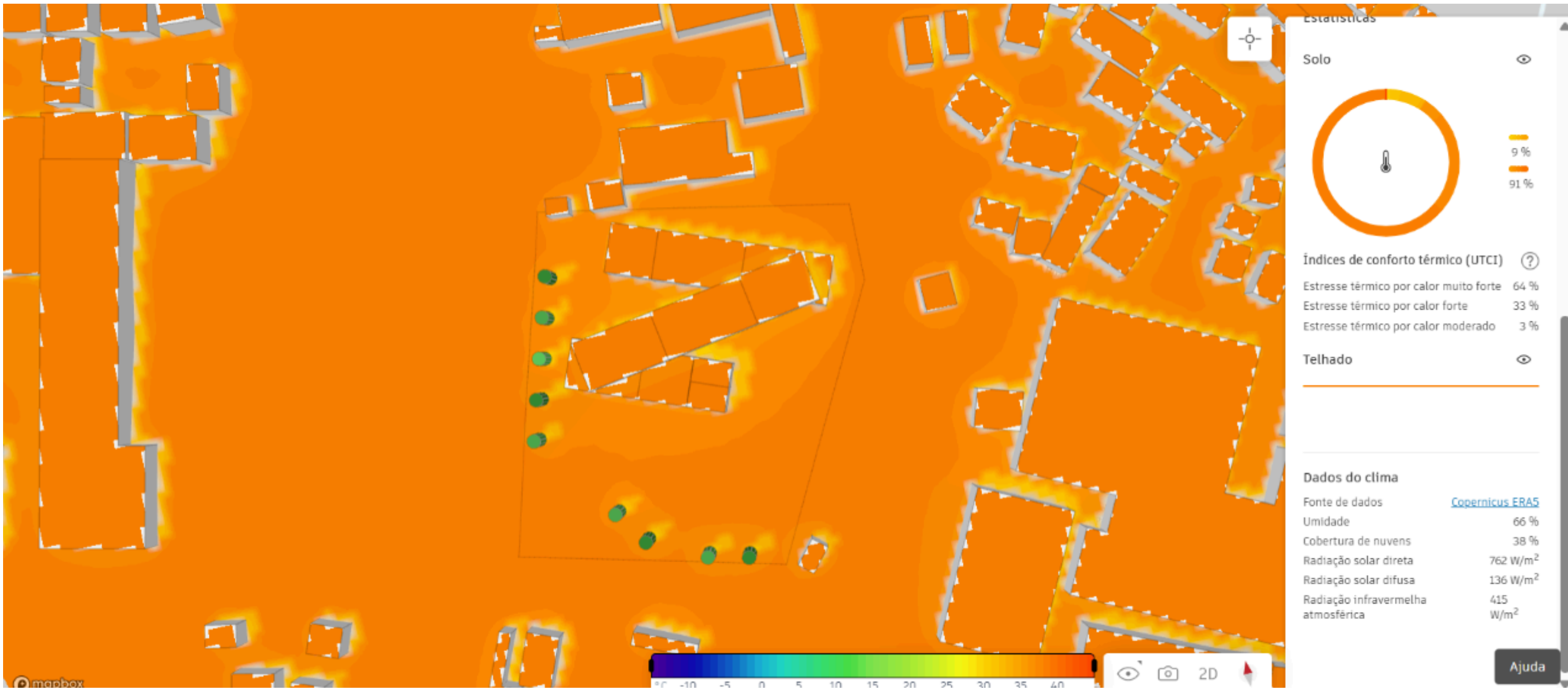
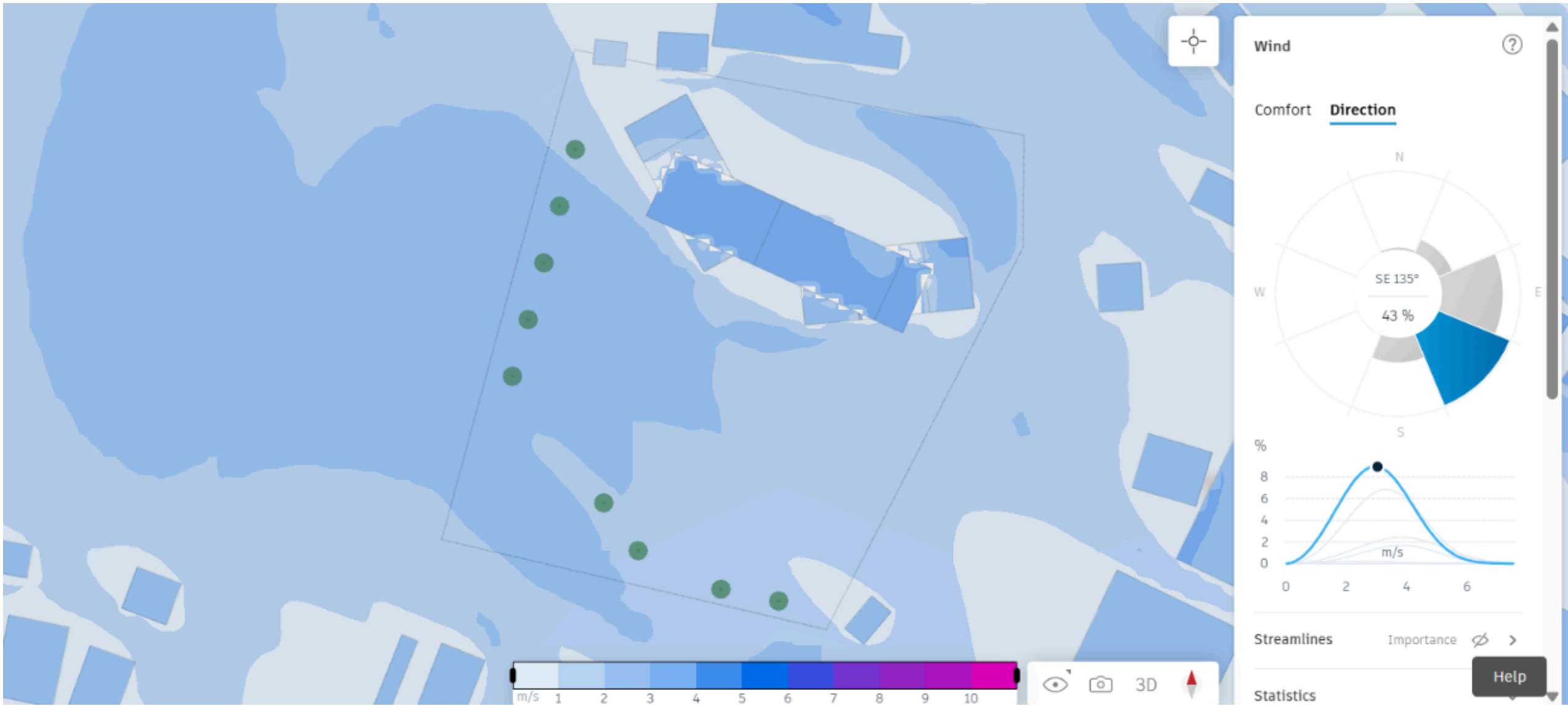
THE ISSUE OF VISUAL AXES ARISES—A VALUE THAT SHOULD BE PURSUED ALONGSIDE ENERGY PERFORMANCE, ITS THE SOFTWARE AND THE BODY. THE SOLUTION WAS COMBINE THE FIRST THREE OPTIONS WITH THE AXES USED ON THE FIRST SECOND OPTION

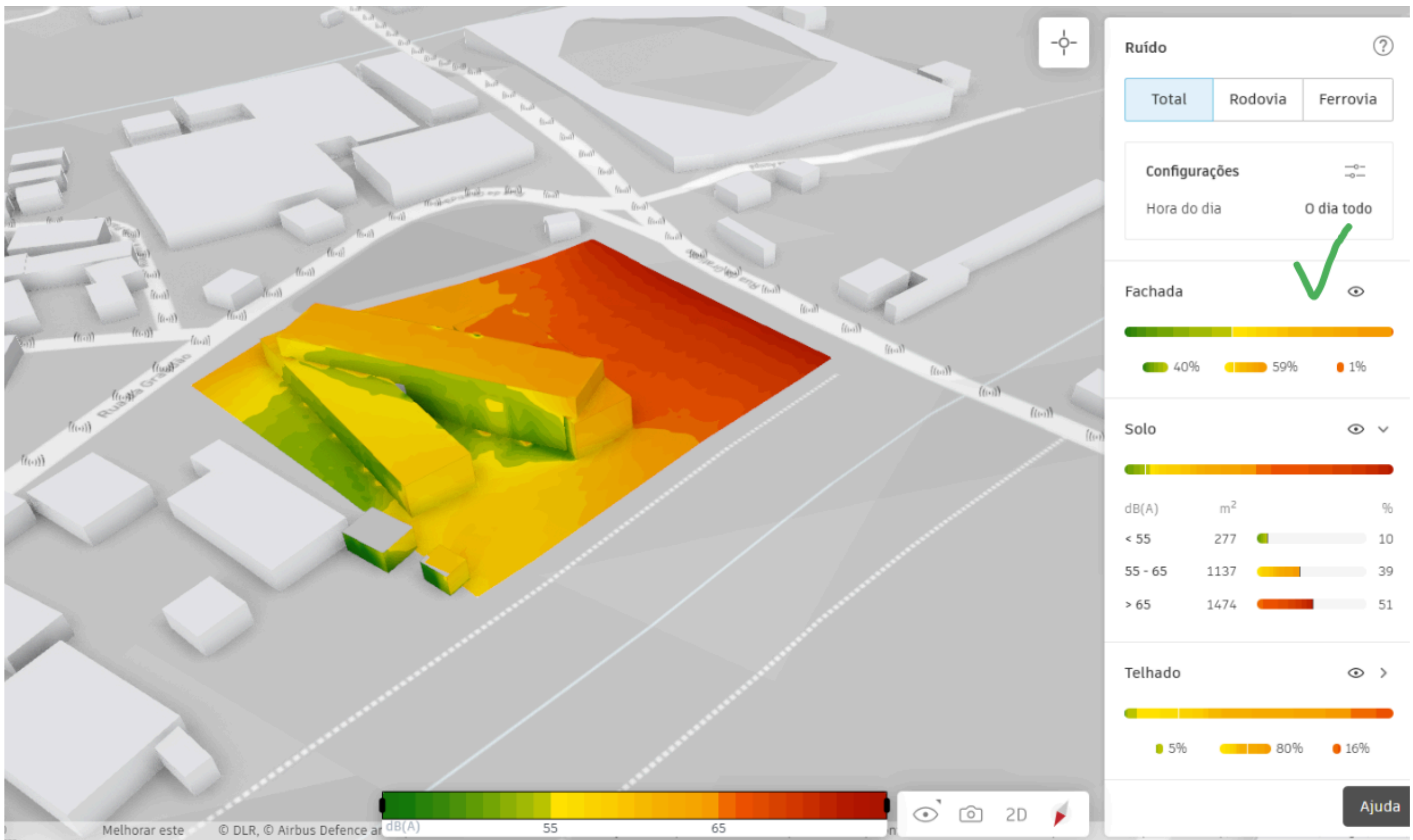
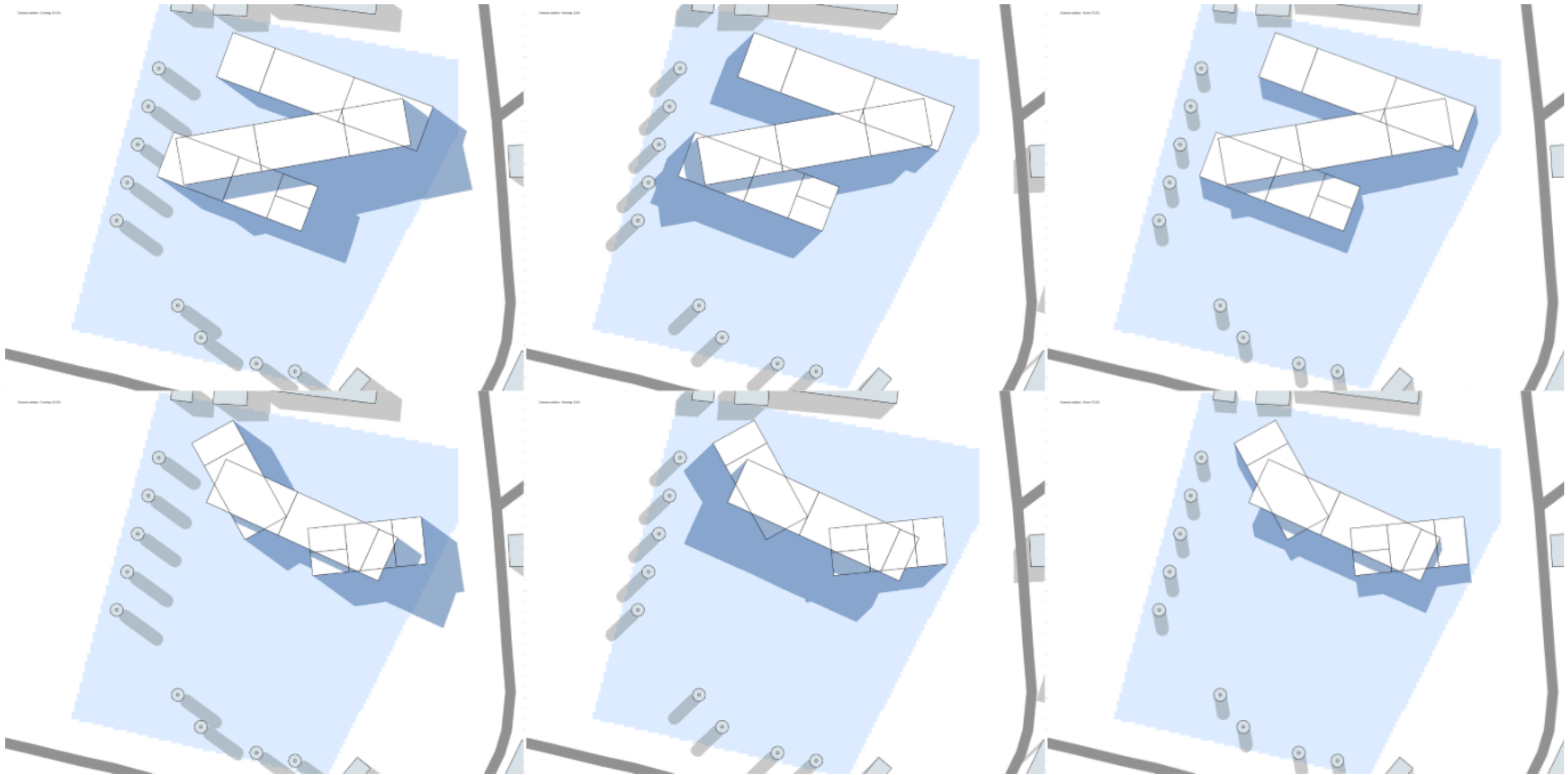


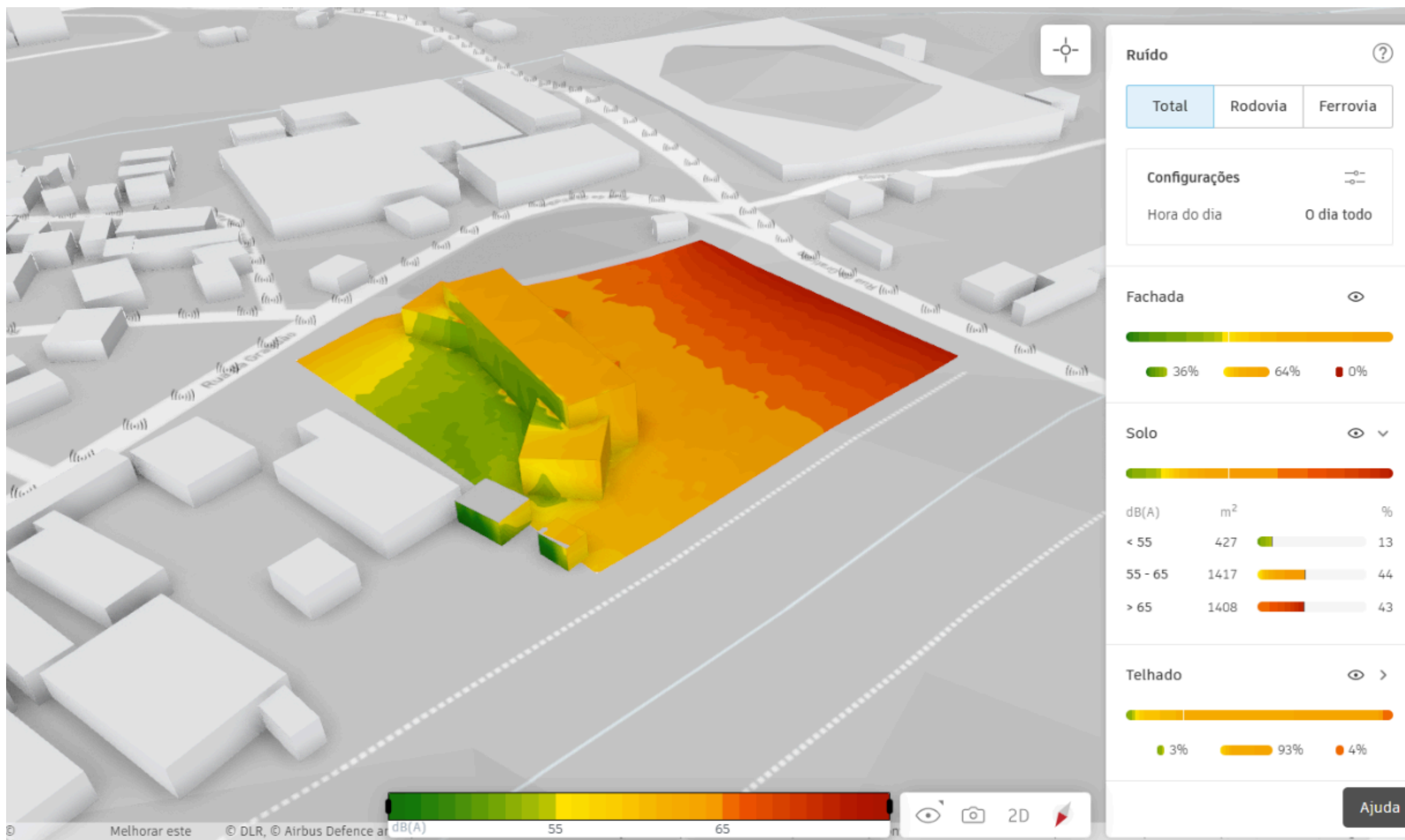
NEW TWO:





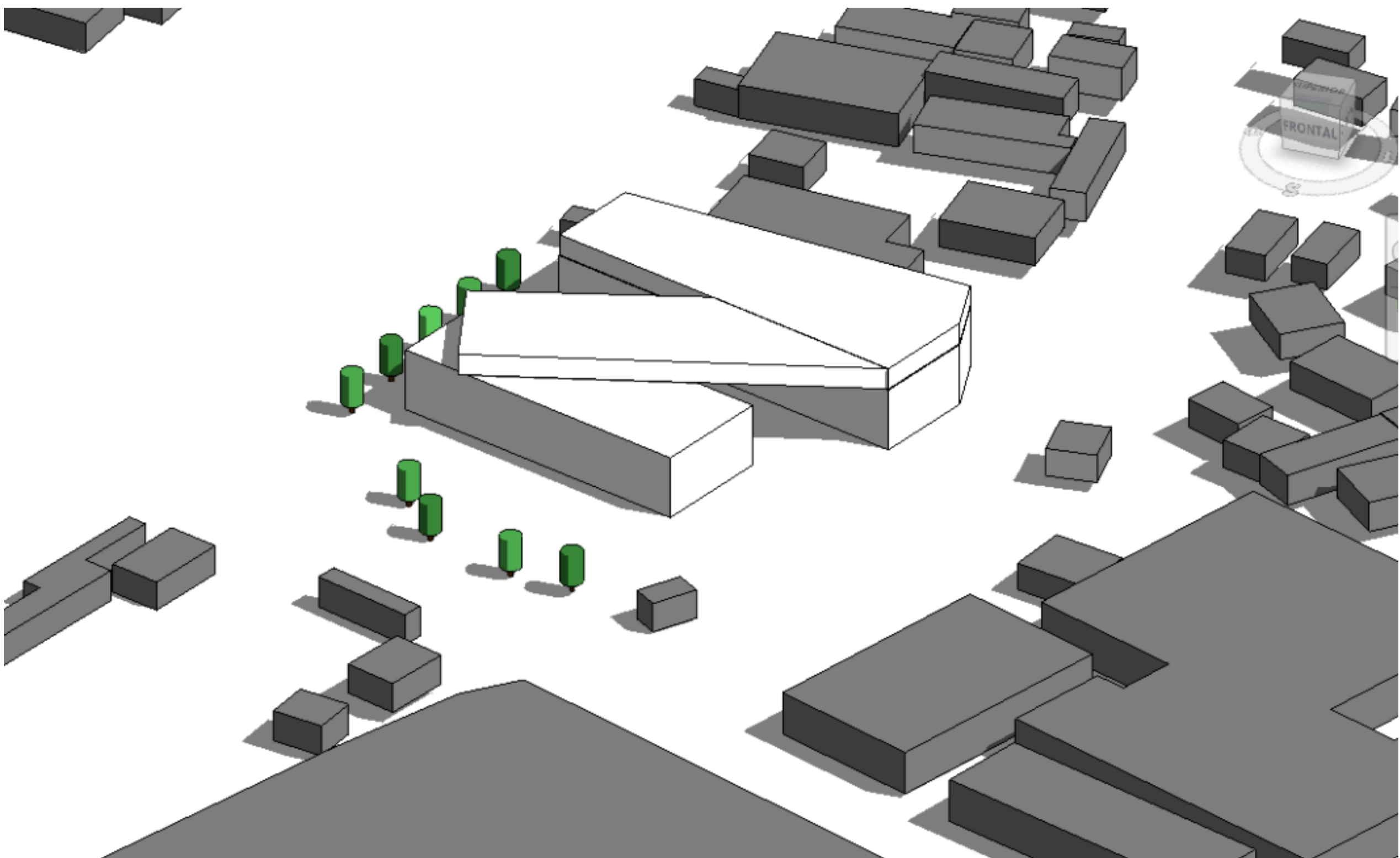




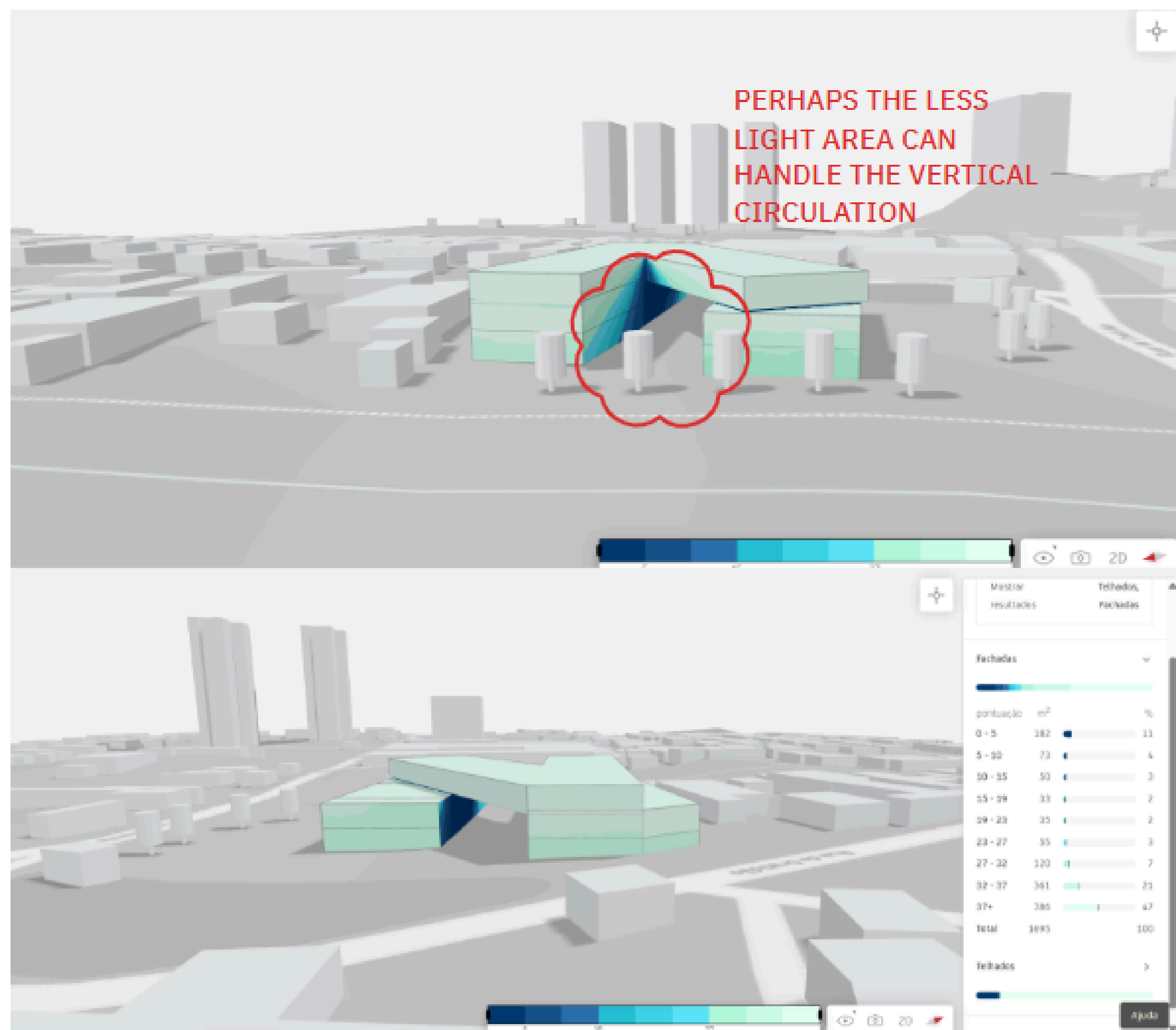
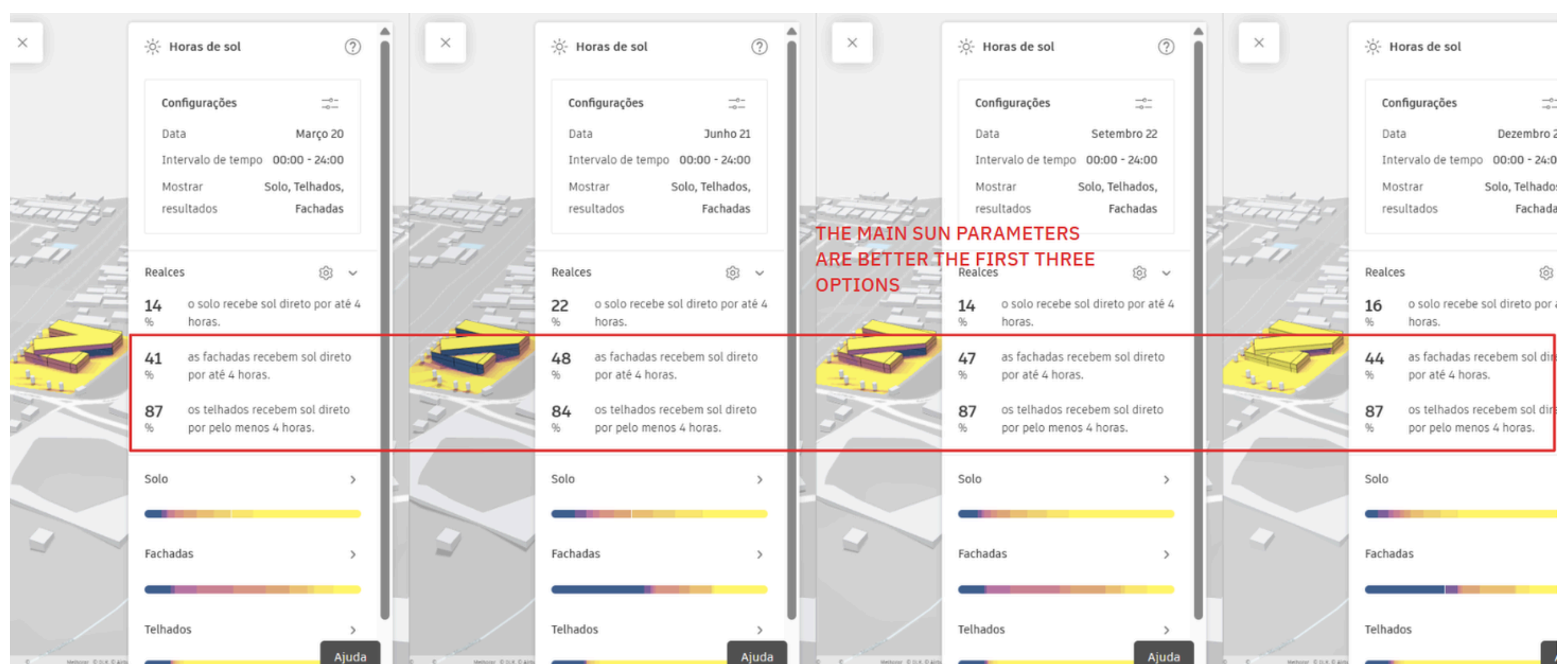


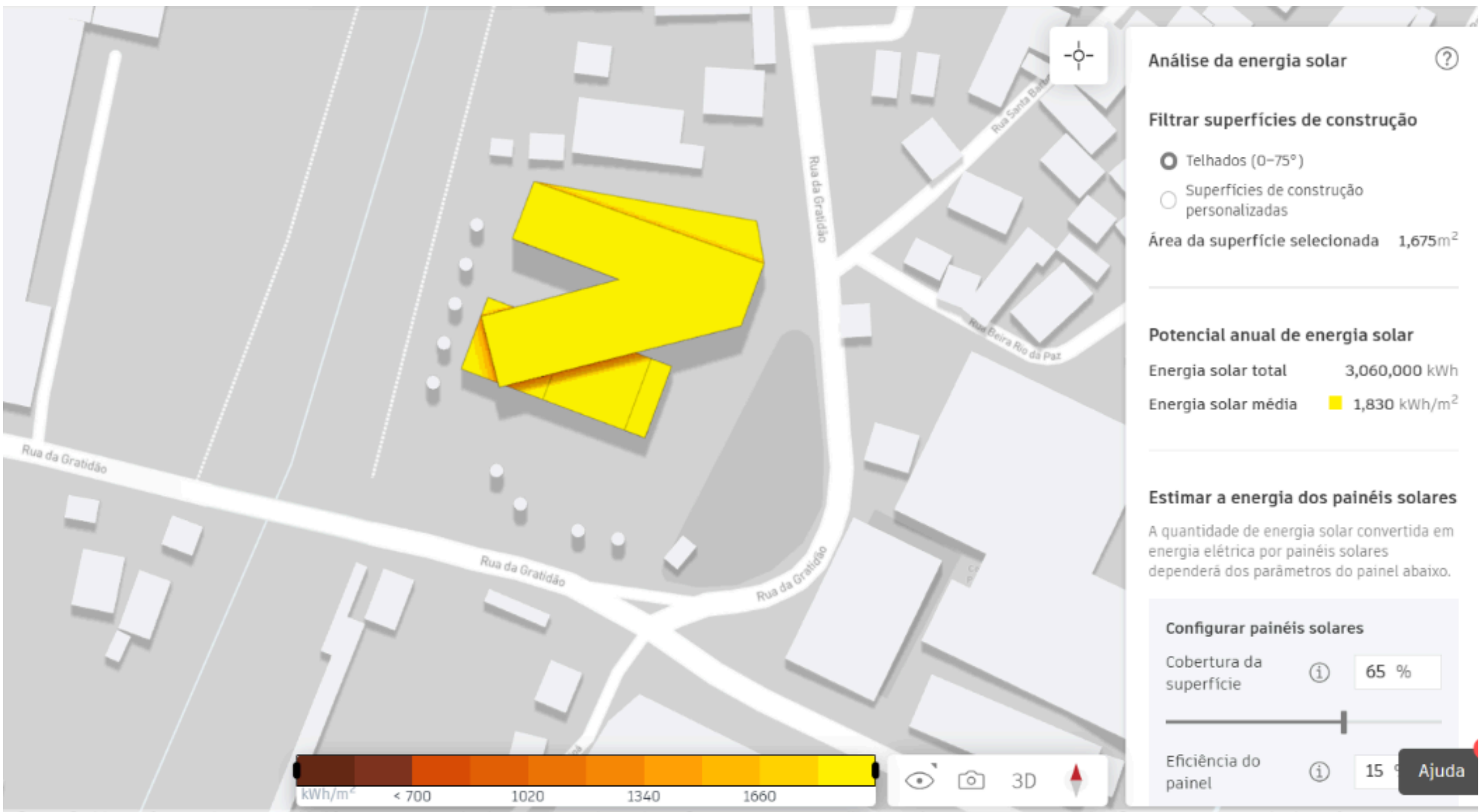
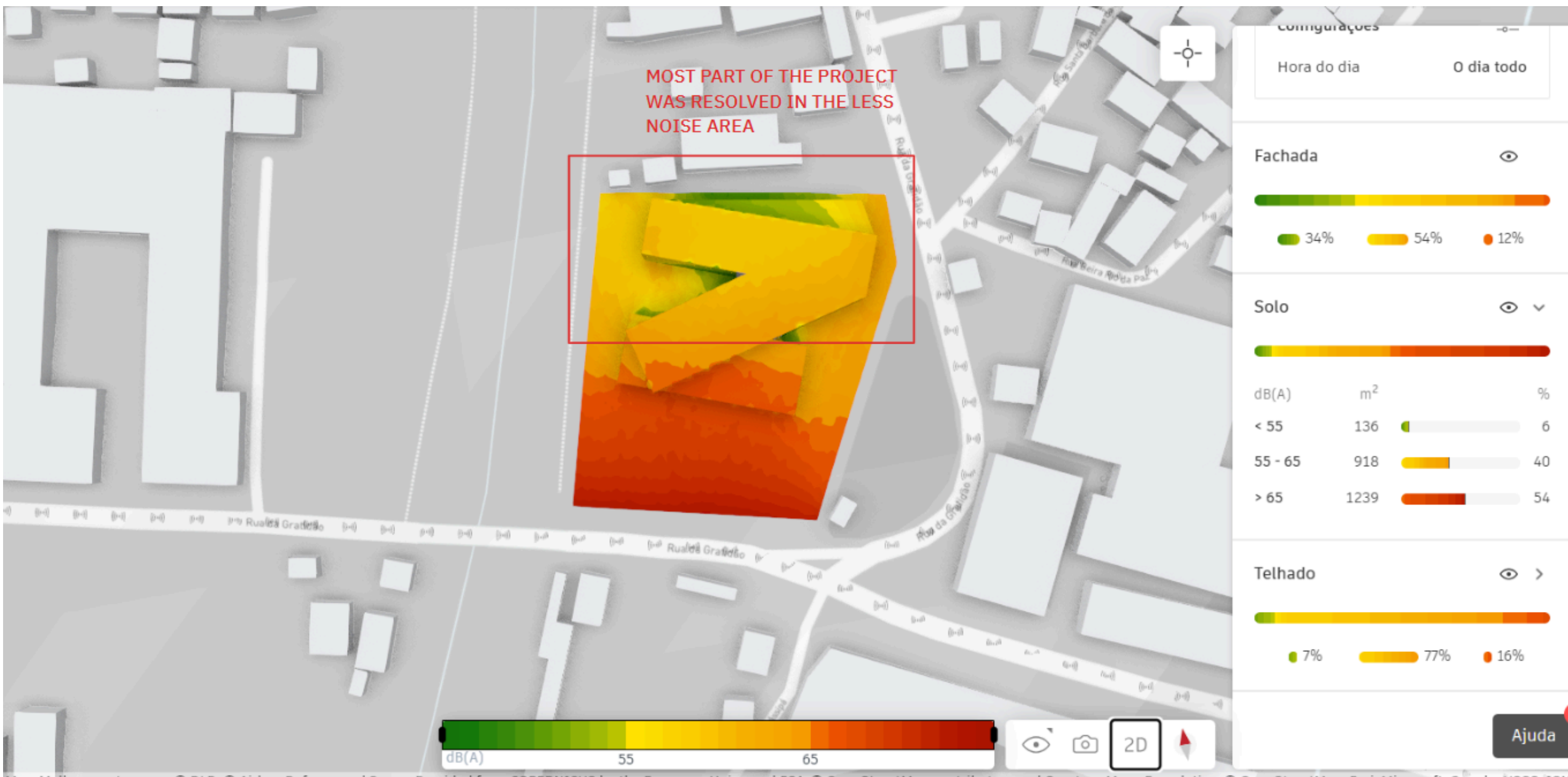
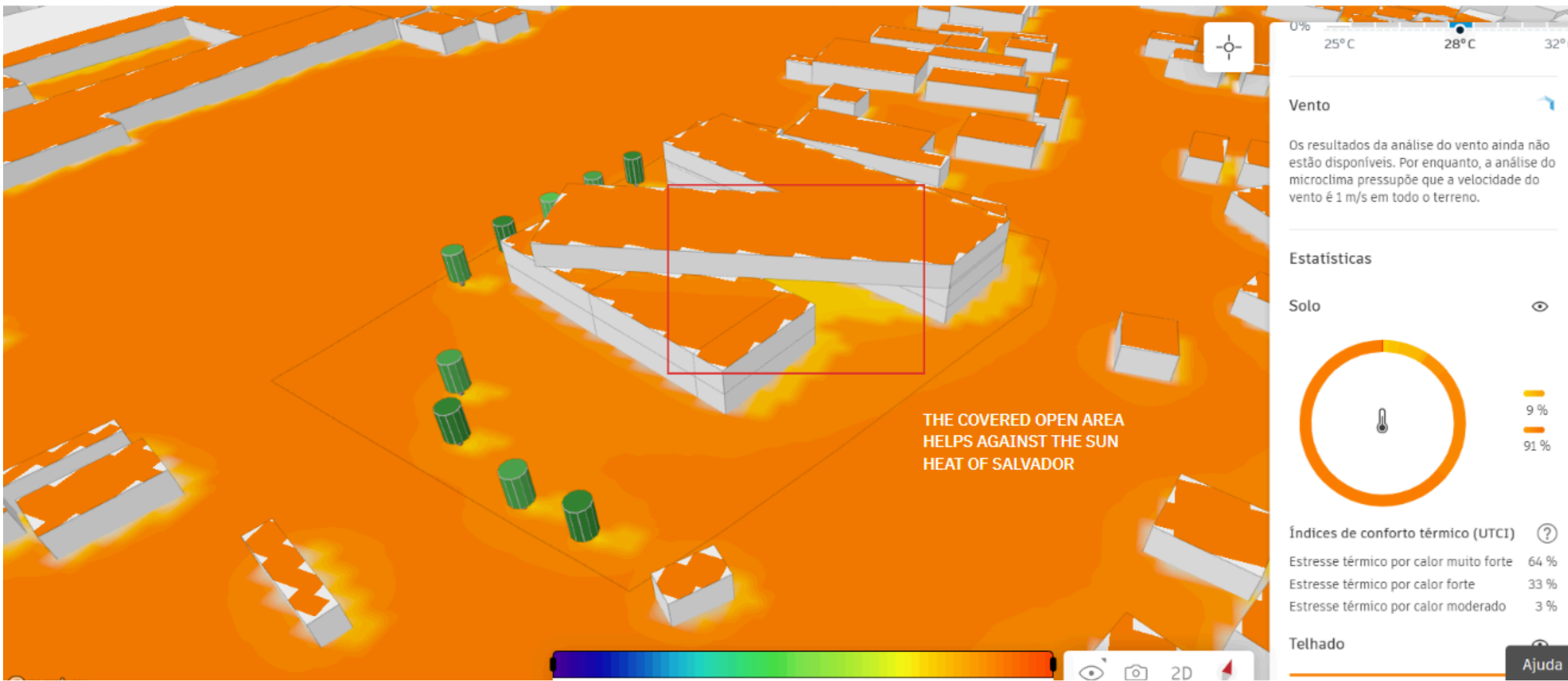
ALTHOUGH OPTION 2 BETTER ADDRESSES THE VISUAL AXES, OPTION 1 DEMONSTRATED SUPERIOR BIOCLIMATIC PERFORMANCE. SO THIS WAS THE FORM SELECTED TO BE DEVELOPED FURTHER IN REVIT.

THE FORM, INITIALLY CONCEPTUAL, WAS SCALED UP IN REVIT TO MEET THE SCHEDULE OF ACCOMMODATION BEFORE THE NEXT ROUND OF ANALYSES.

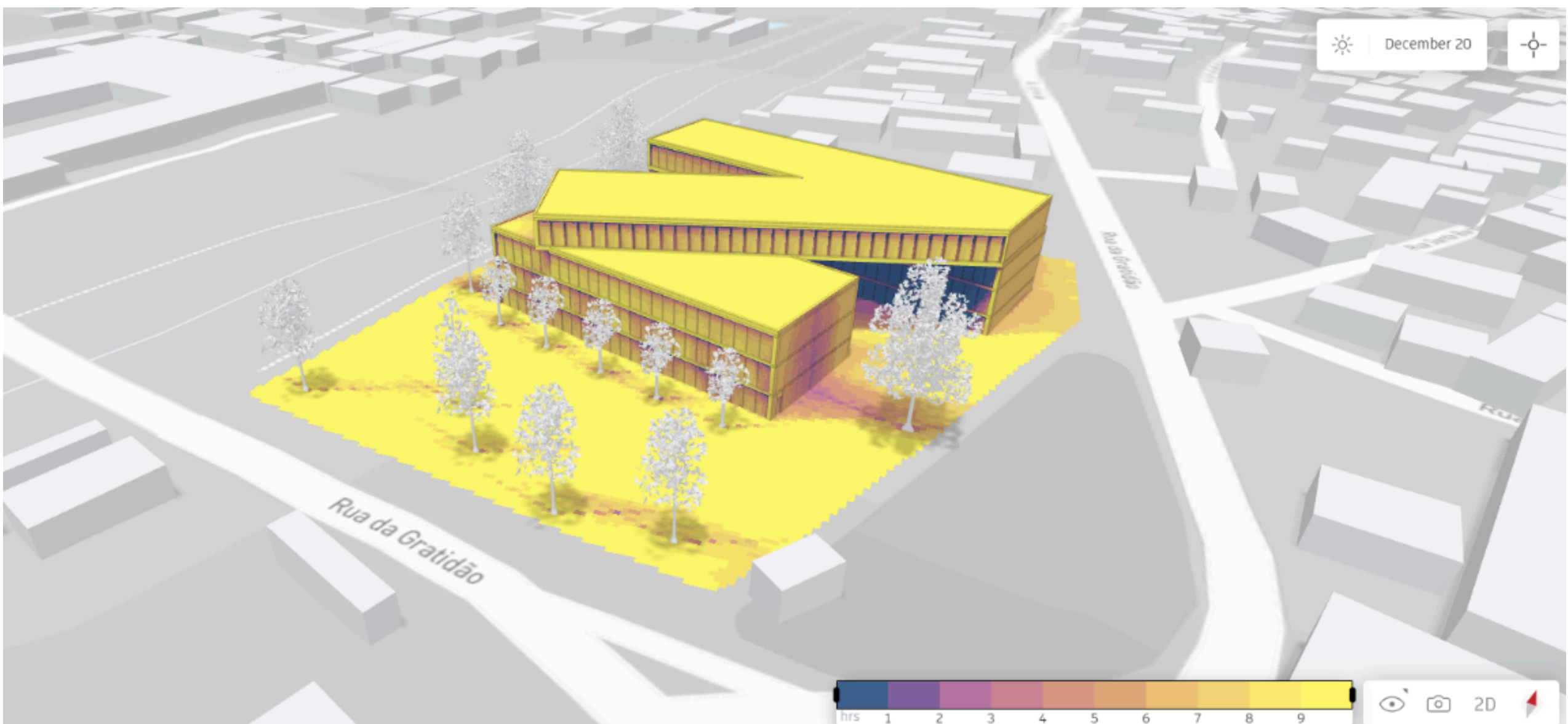
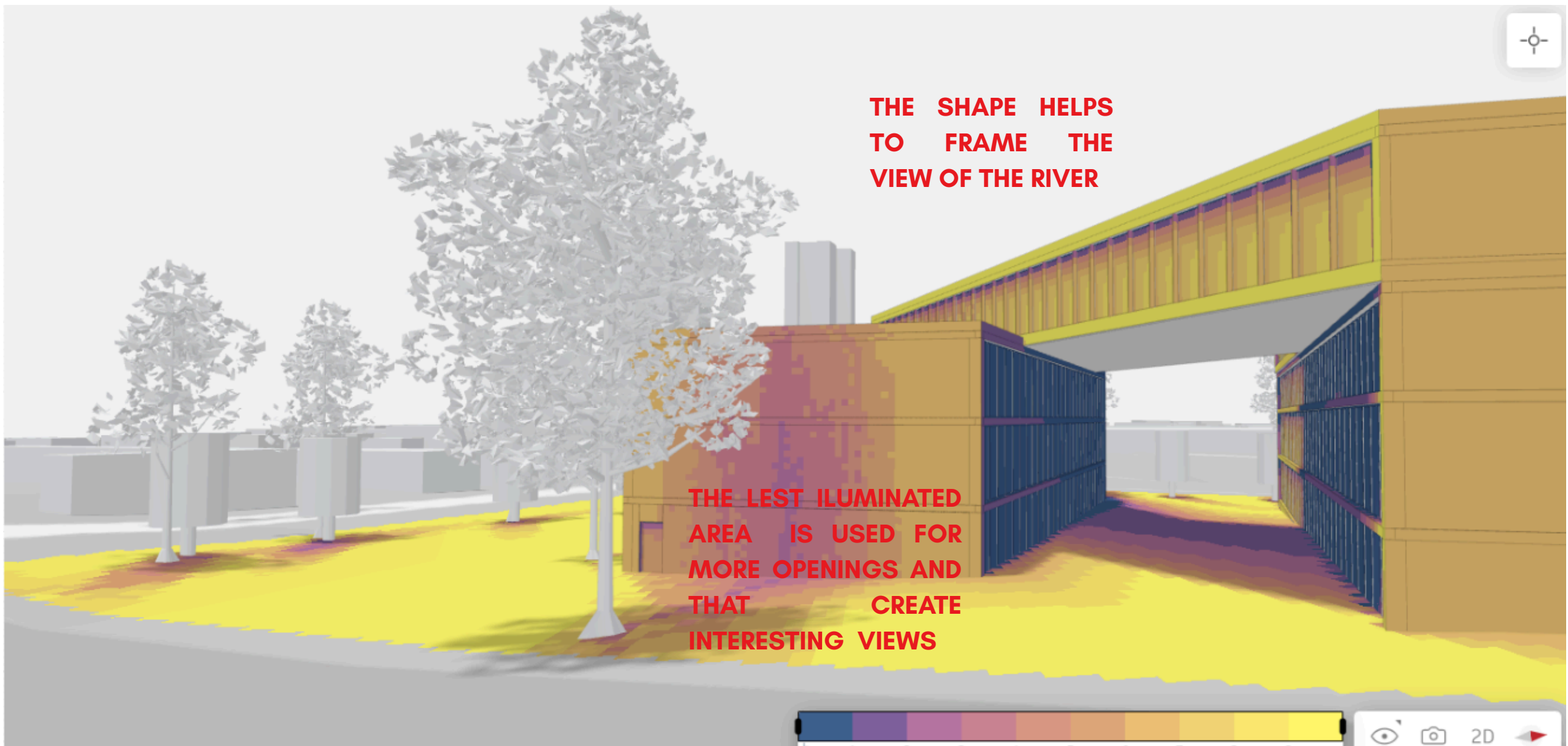
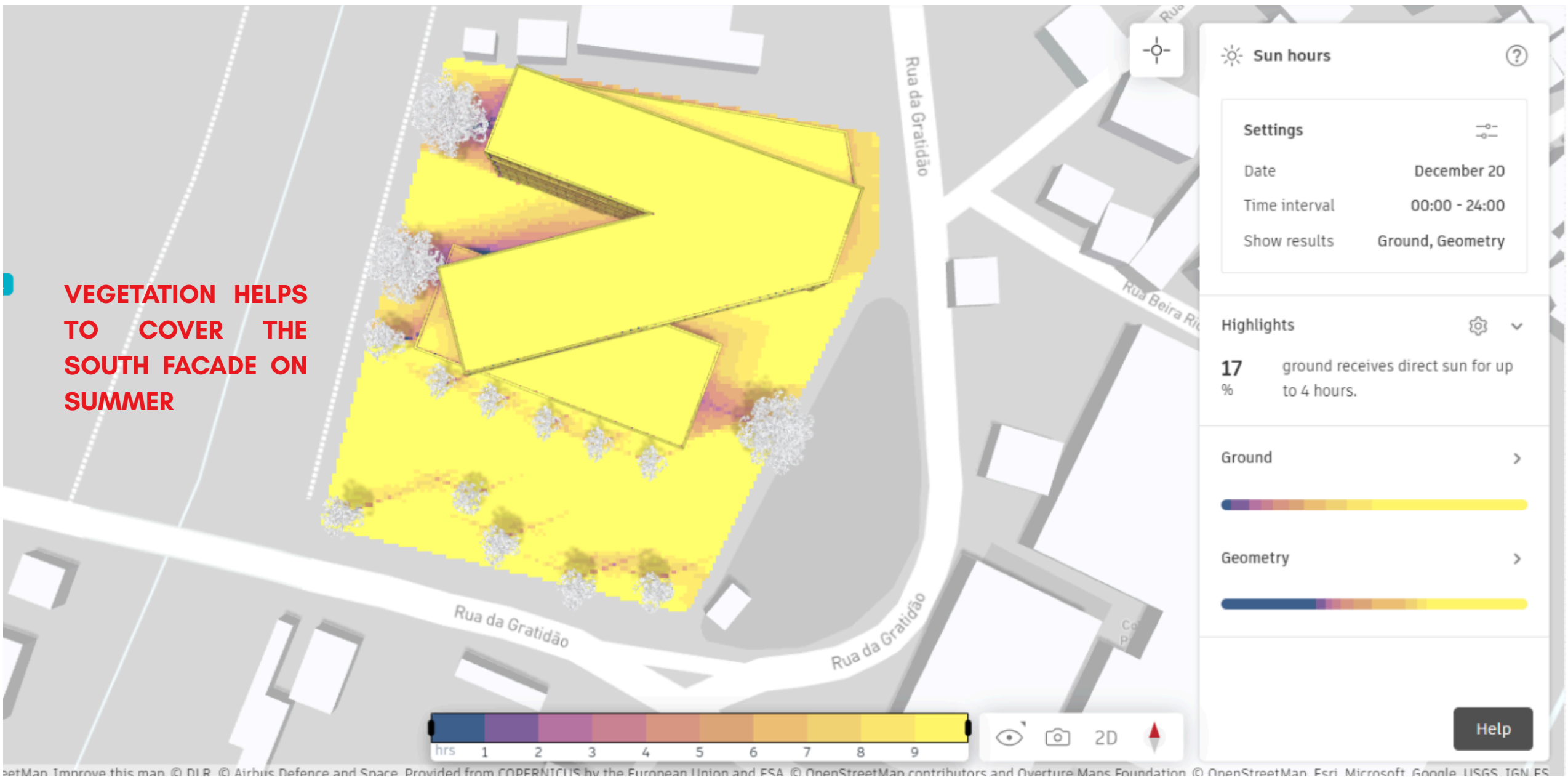


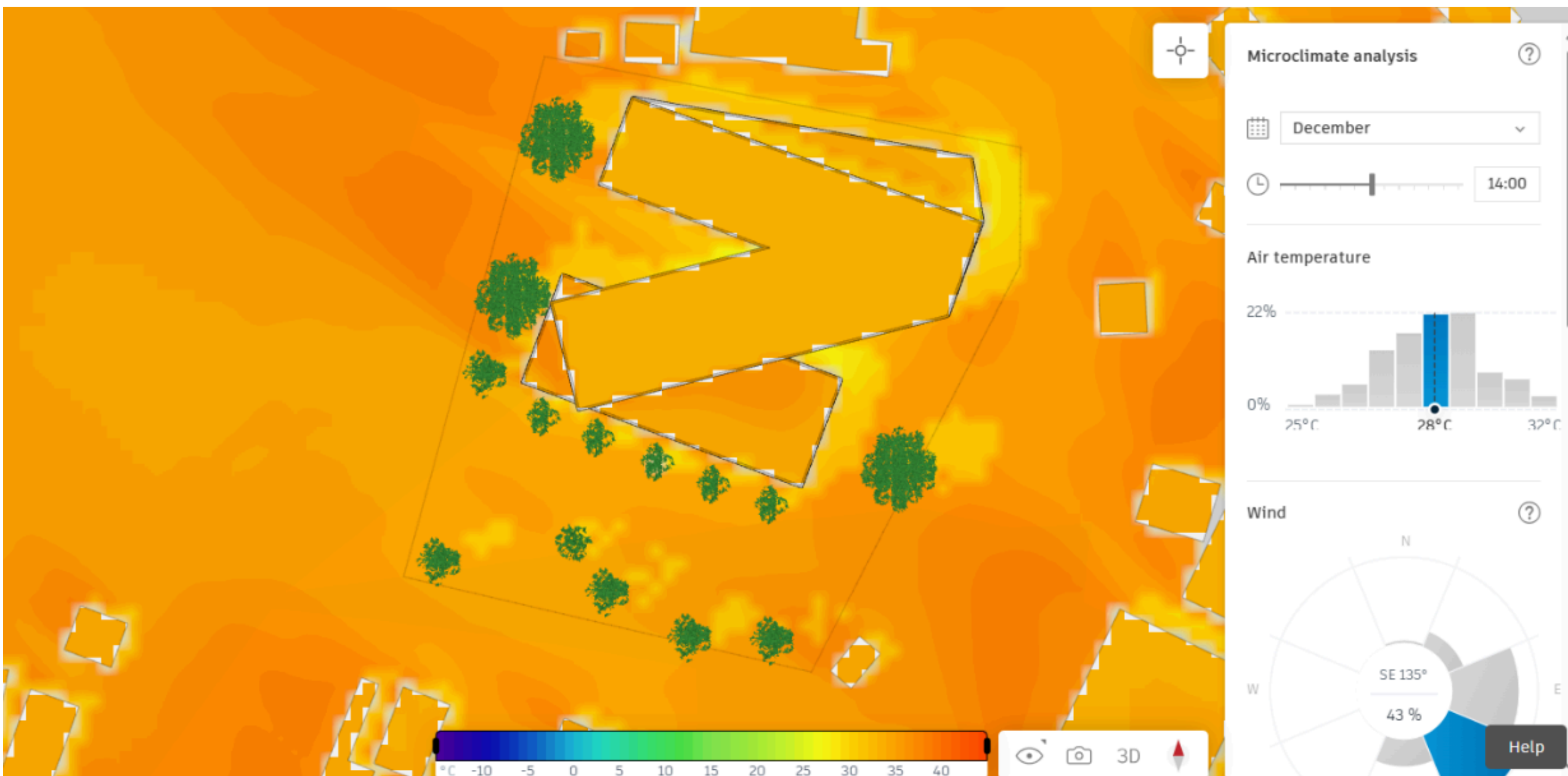
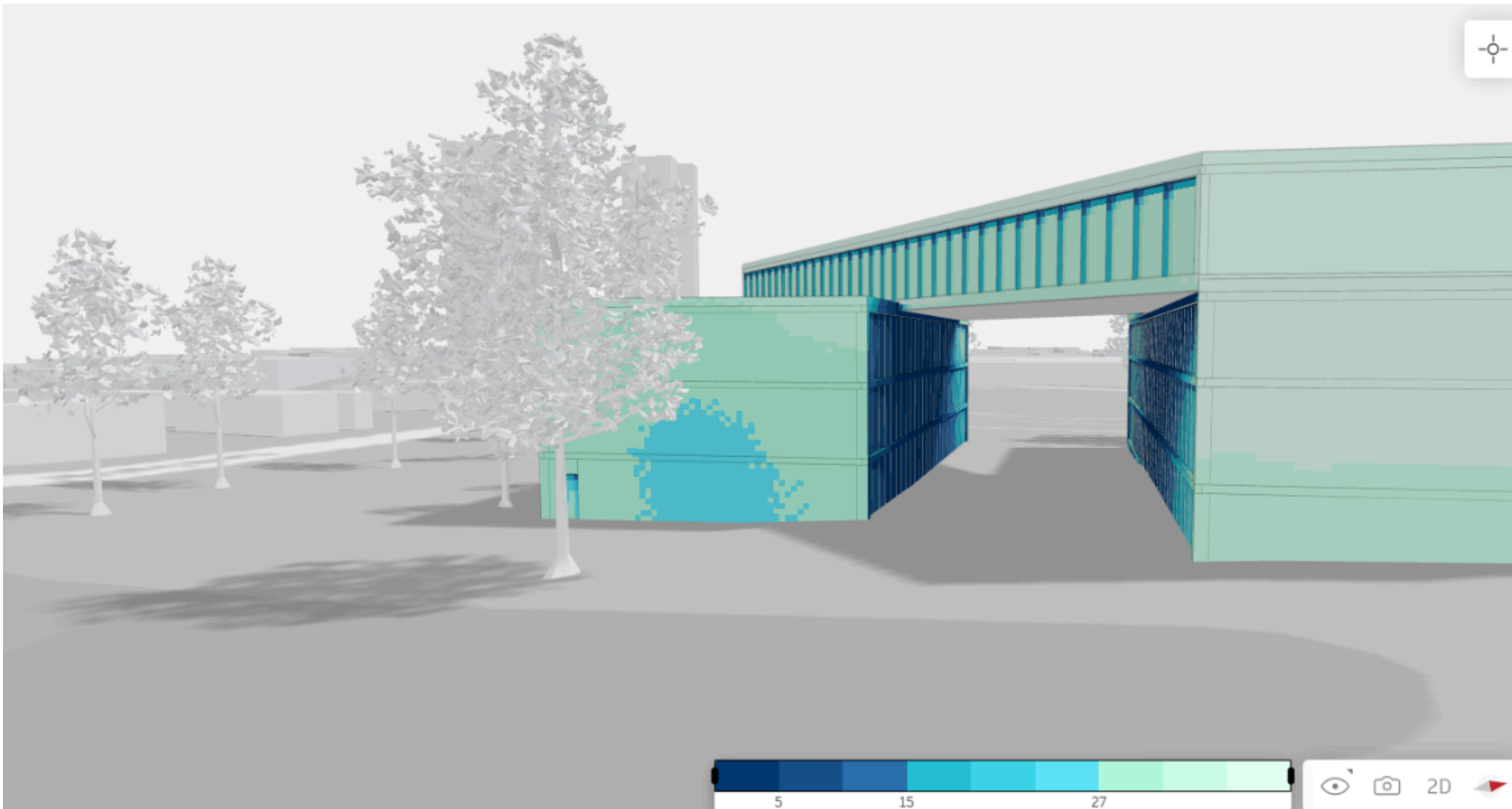
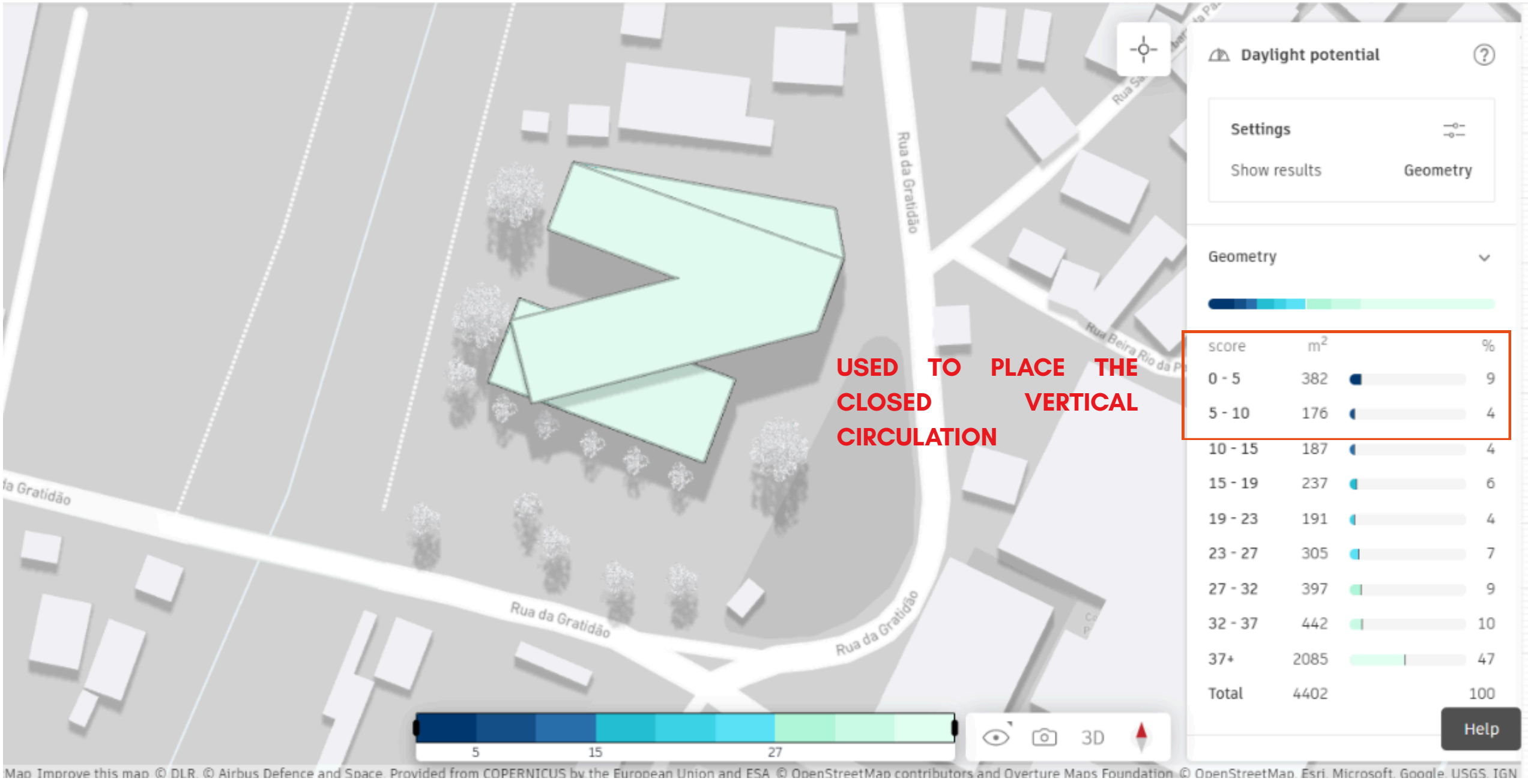
ANALYSES OF THE FINAL FORM:

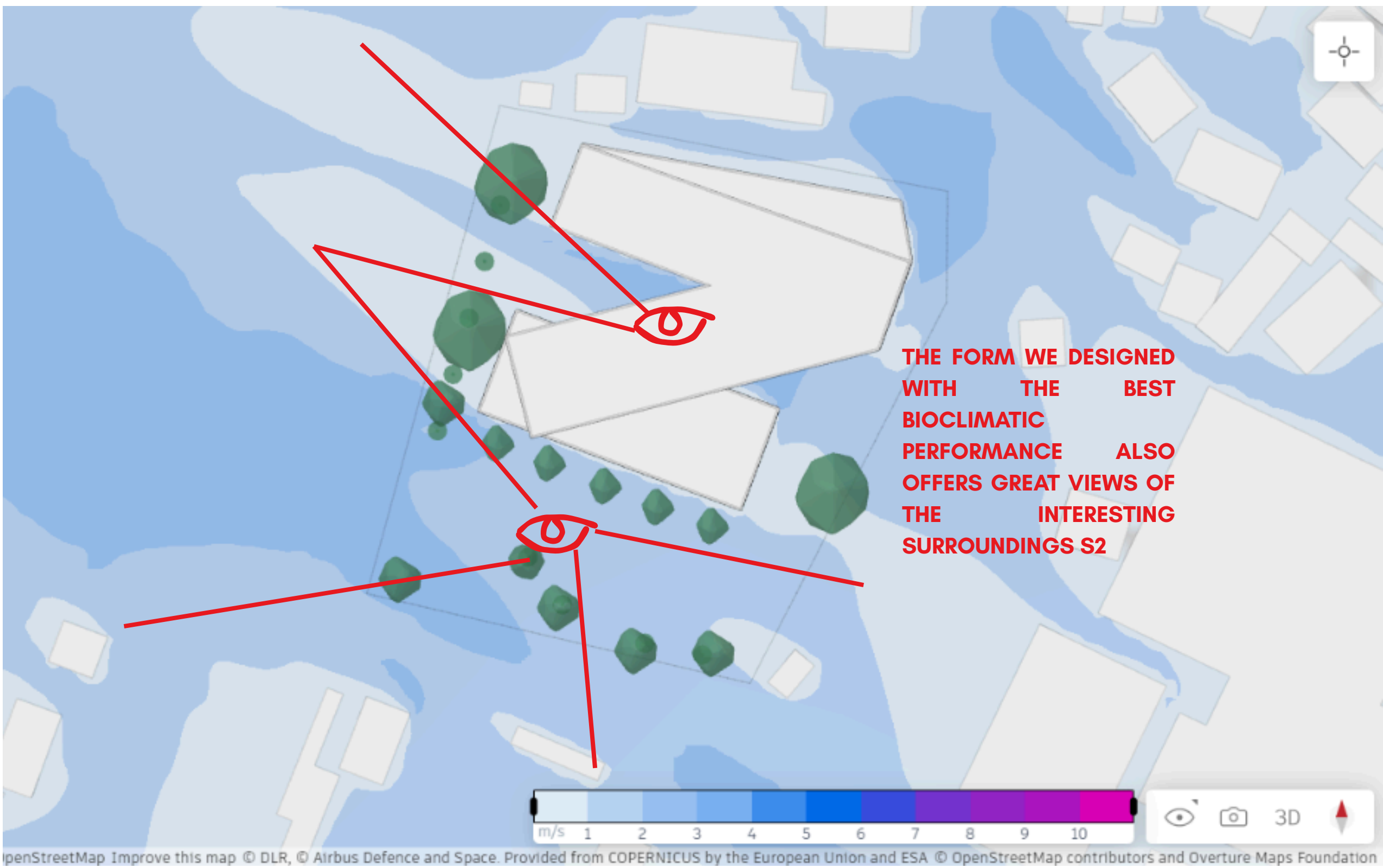
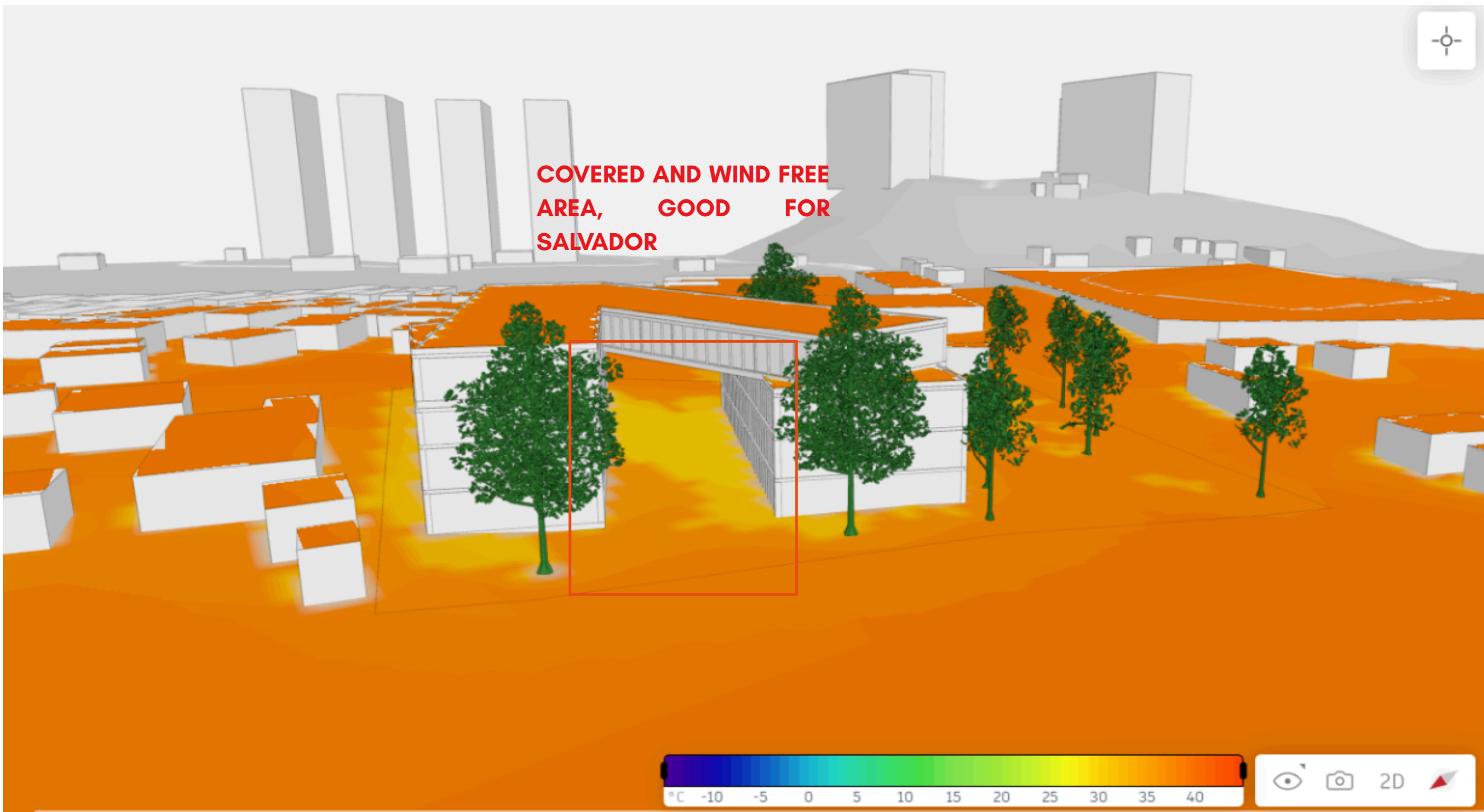


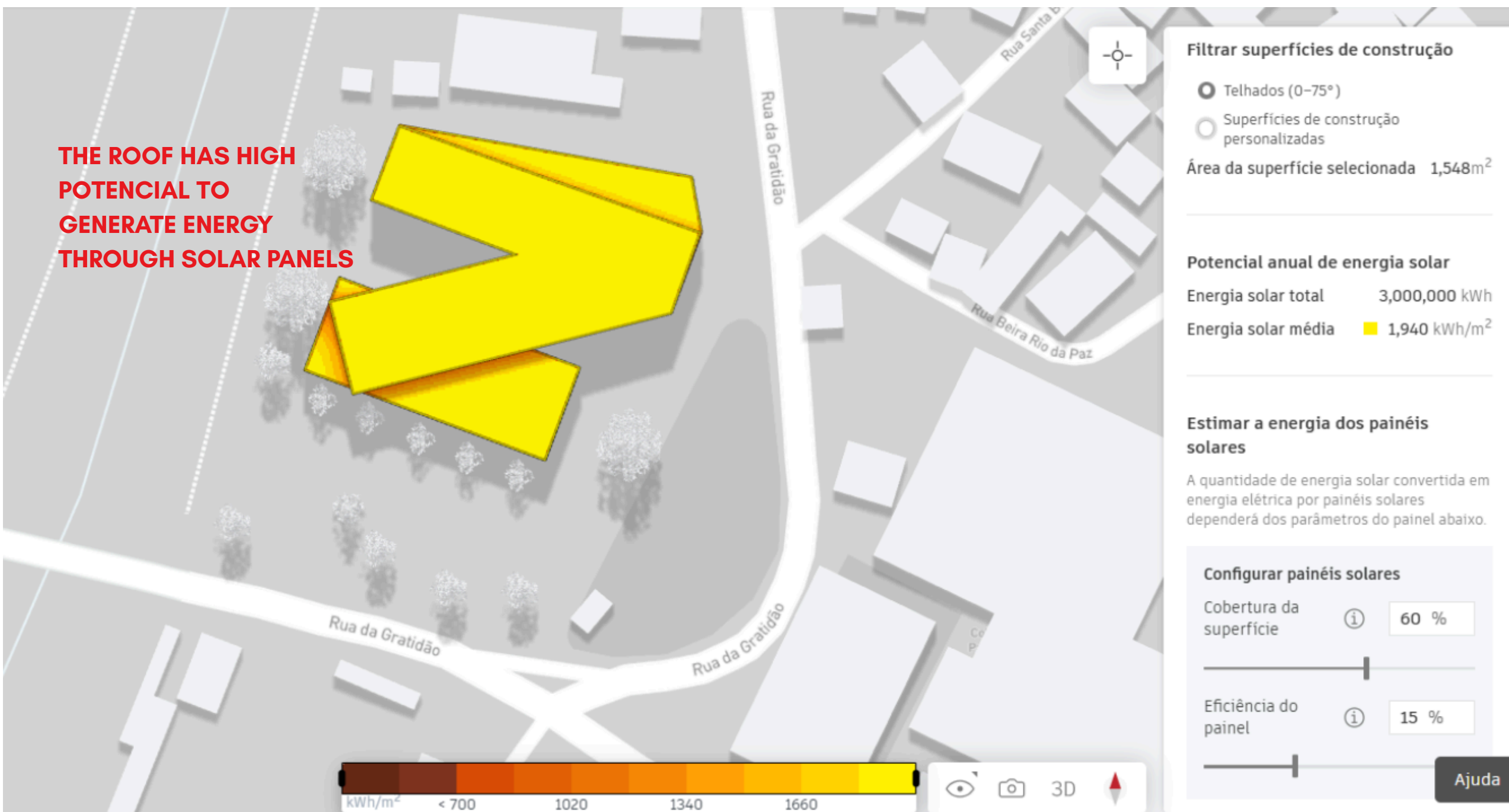
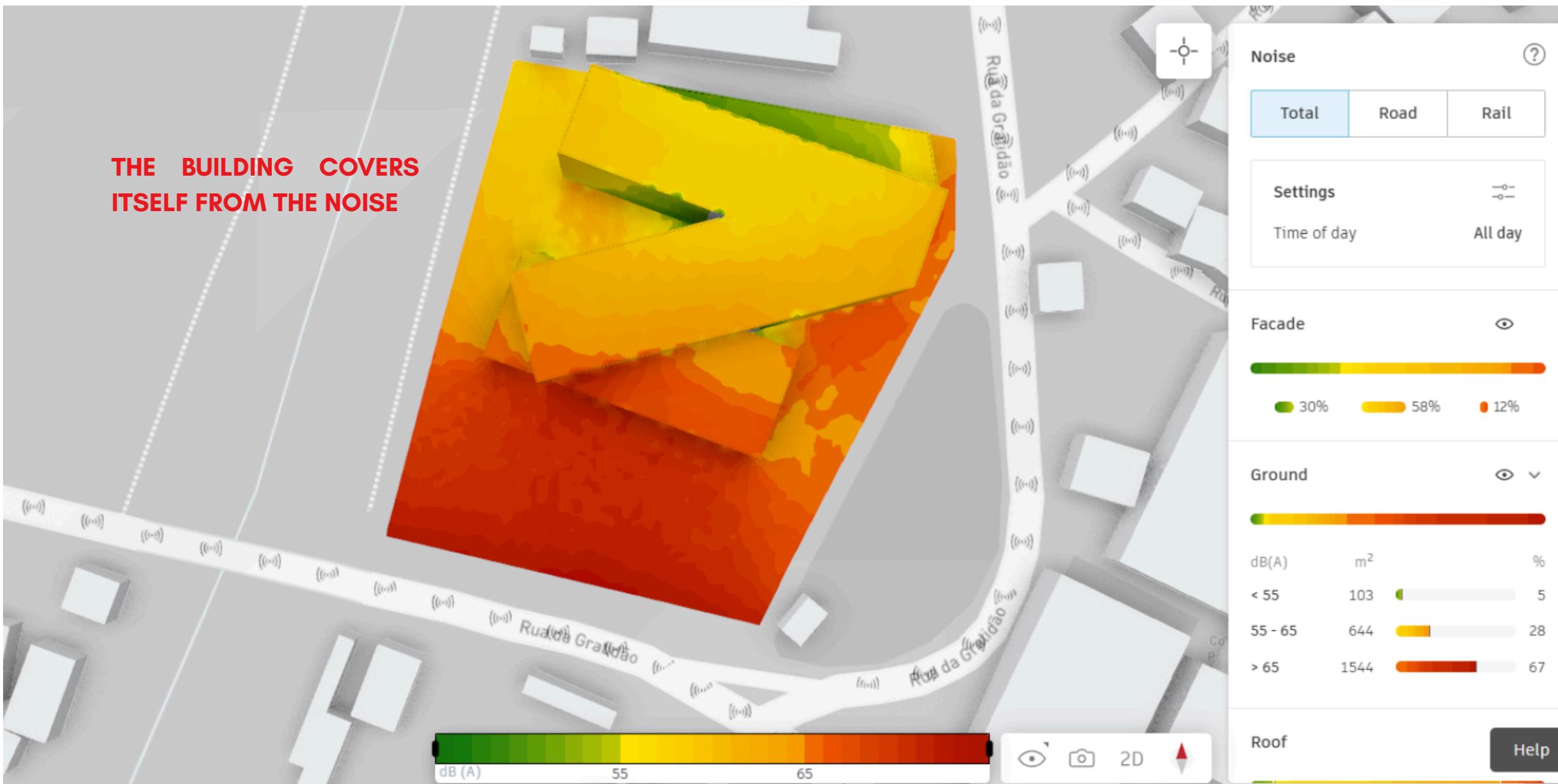
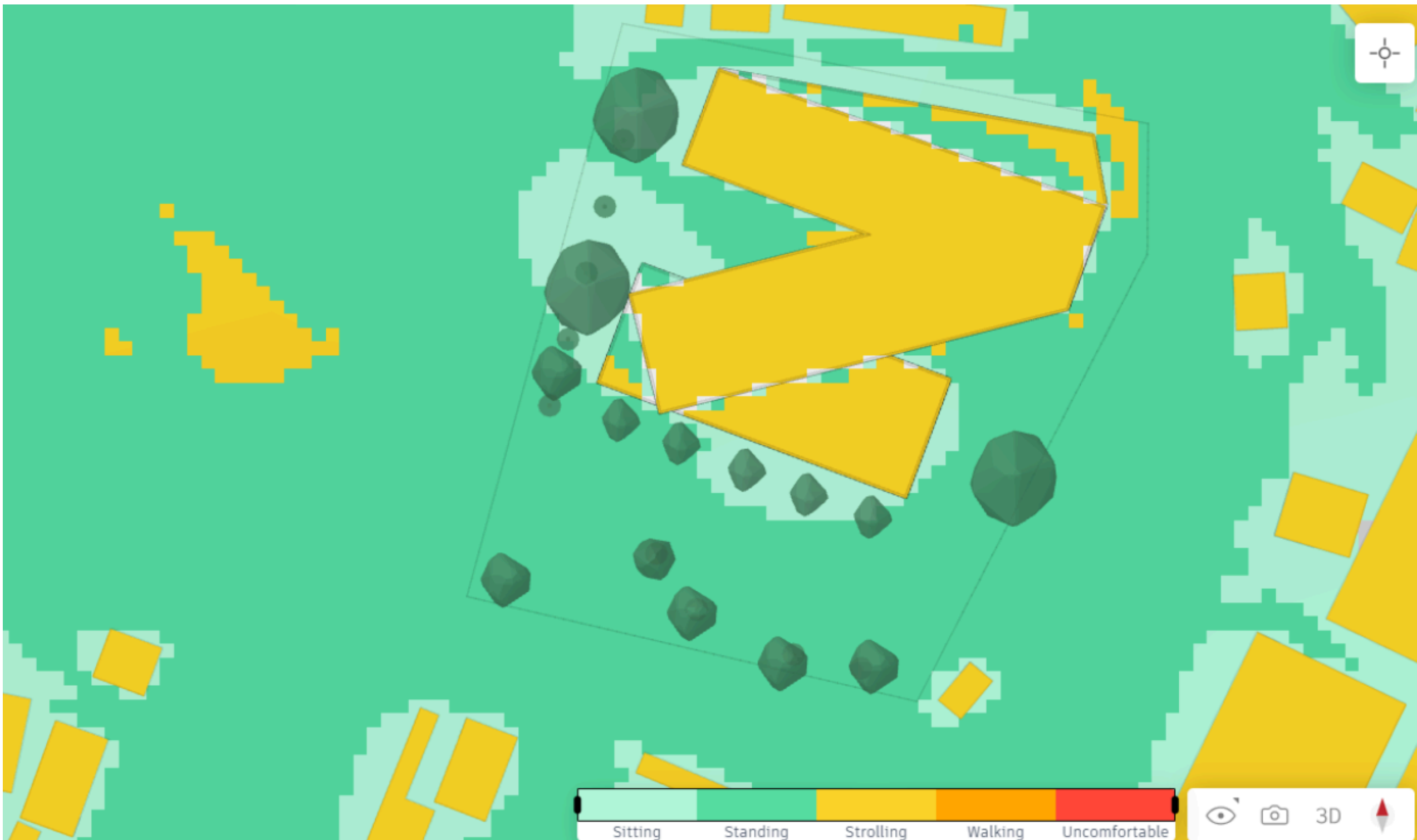


FINAL RESULTS



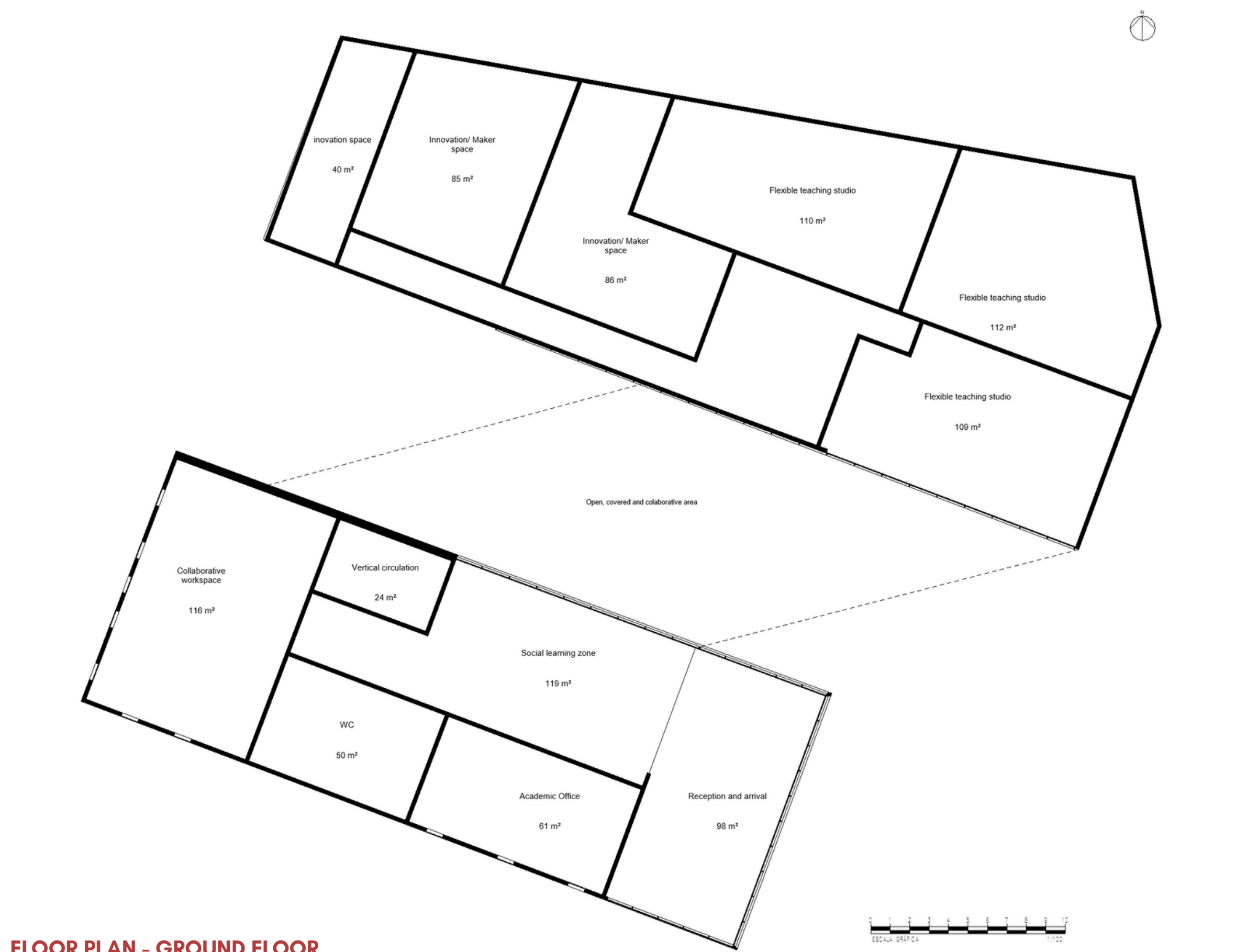






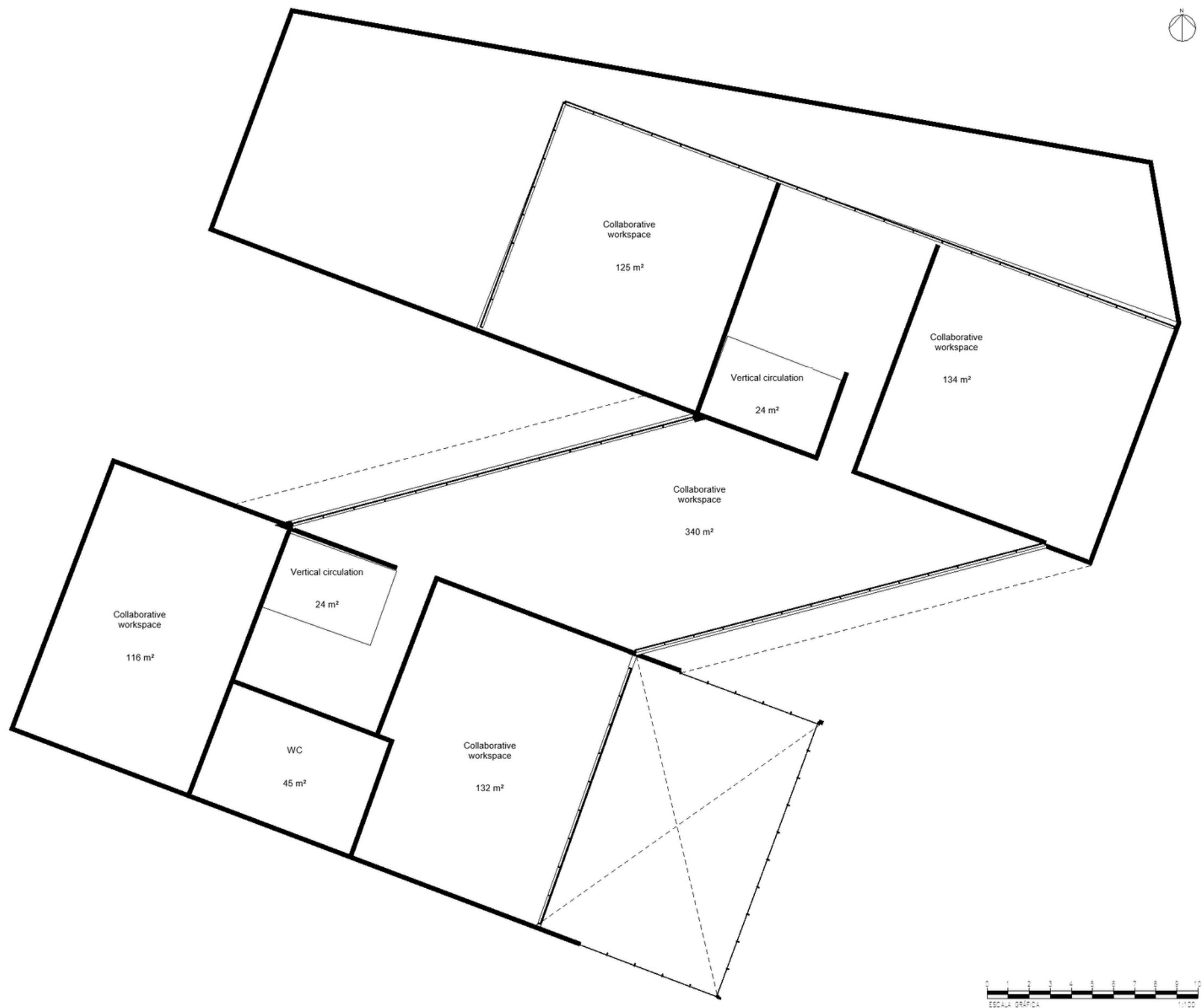


TOTAL BUILDING FOOTPRINT

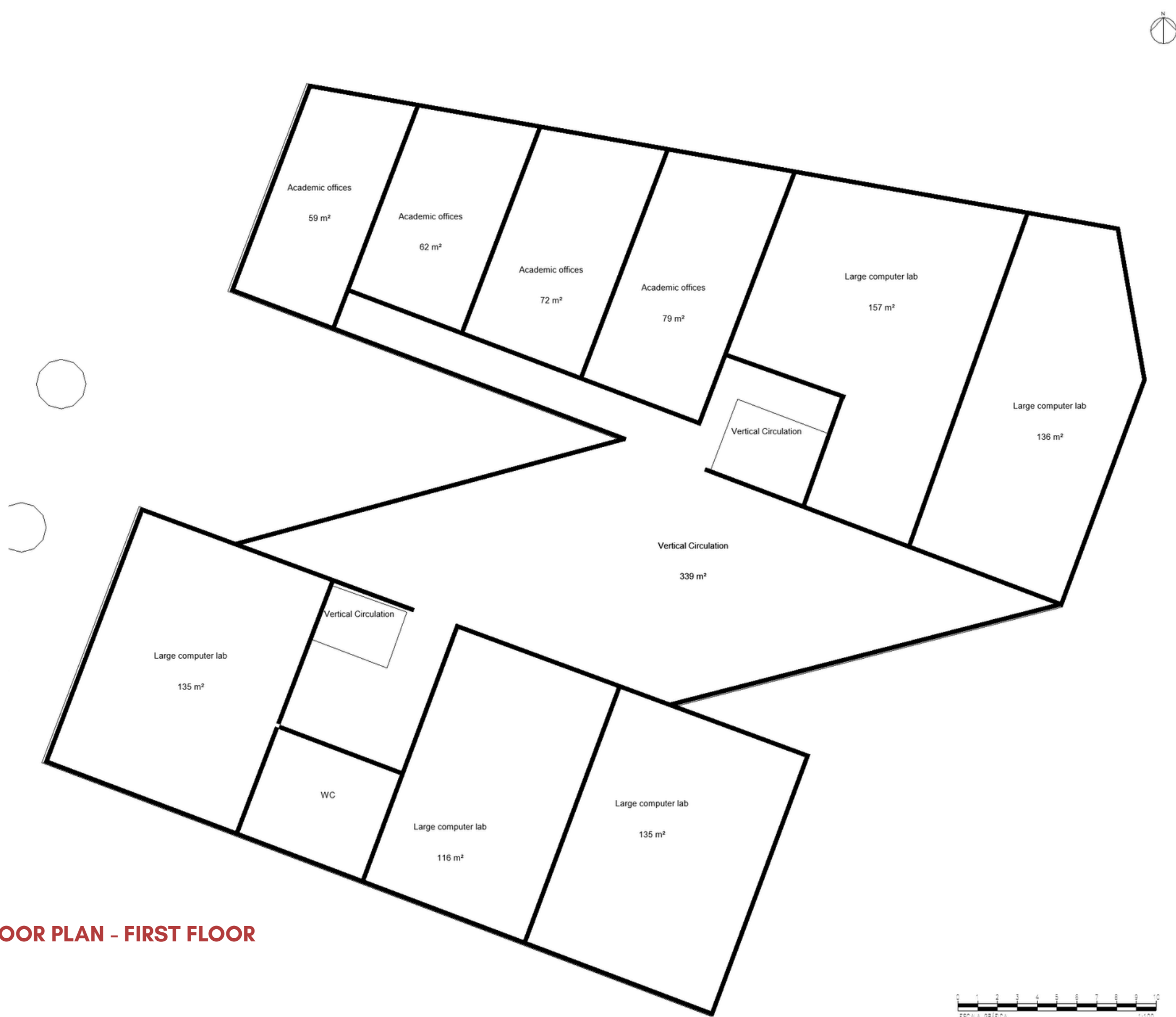


FLOOR PLAN - GROUND FLOOR

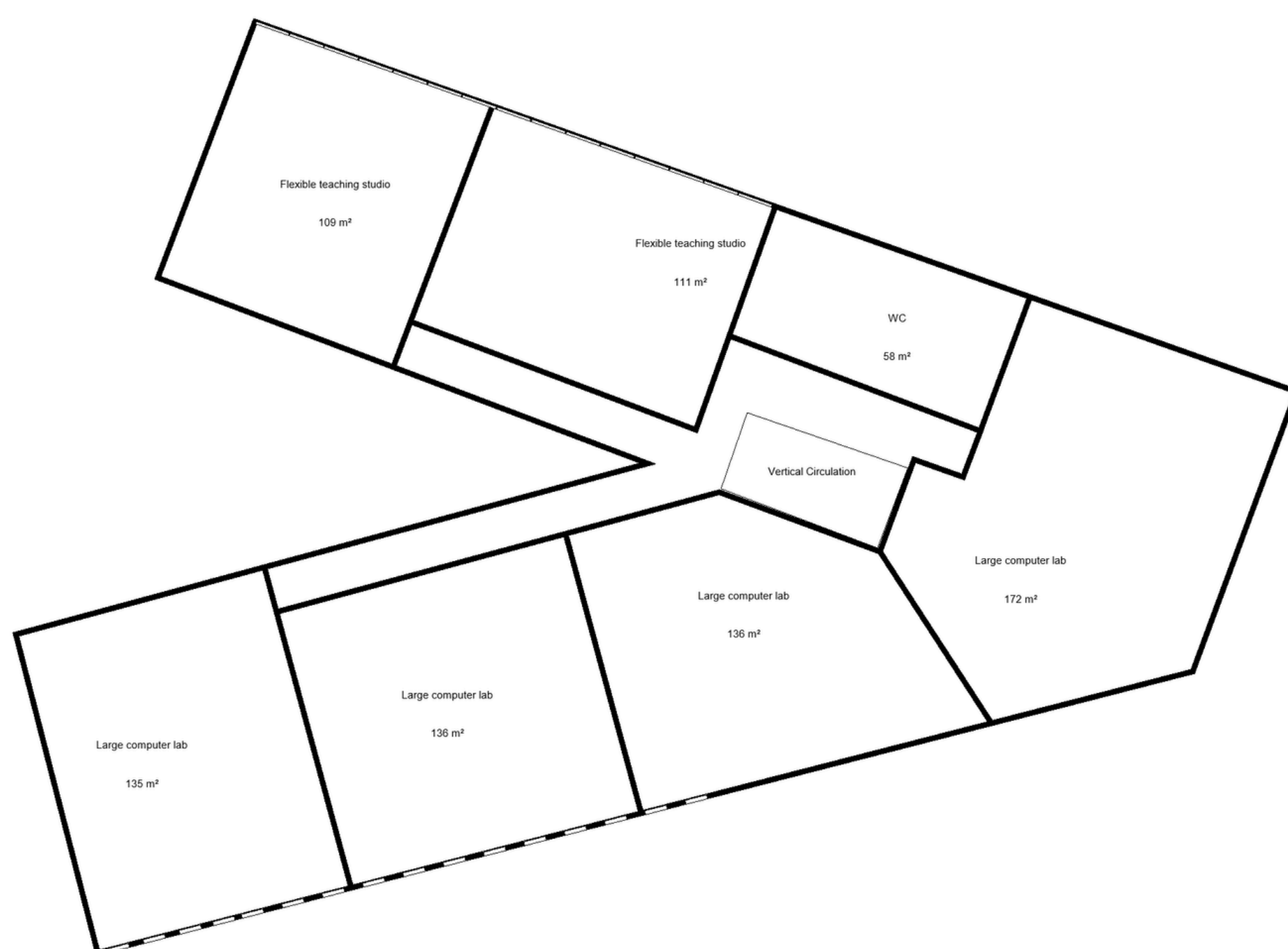




FLOOR PLAN - MEZZANINE



FLOOR PLAN - FIRST FLOOR



FLOOR PLAN - SECOND FLOOR