PARAMETRIC DESIGN OF A MOBILE AND DEPLOYABLE PODIUM

FUNCTIONS AND TRANSFORMABILITY
- Compact design
- Accessibility: getting rid of stairs
- Two variations: podium + bench
- Sculptural podium

USED SYSTEM
- Technique: Robotic-slab
- Advantage: System with only 2 parts
- Challenge: Different shapes with one planer surface
- Stability: Connection between vertical and horizontal slabs

MATERIALIZATION AND DETAILING
- Wood: Design freedom, Perfect balance between rigidity and flexibility, Lightweight material

CREATION PROCESS

FIRST STEP
-_form: connection between structure and slabs
- Beam structure

SECOND STEP
- Right part at one slab: balance the other
- no connection needed
- stability issue

THIRD STEP
- Treating through heat: Problems: lateral stability
- Challenge: connection of base and top slabs

FOURTH STEP

POD IUM COMPONENTS
- Two pieces to assemble same compact mechanism
- compact shape
- horizontal slabs
- vertical slabs
- ribbons

FINAL RESULT
- Mounting mechanism: Adjustable position, depending on vertical slabs
- Two paths
- Two different shapes
- Flexibility

CONCLUSIONS
- Only 2 elements
- Ease of use
- Open to interpretation
- Sculptural structure

FUTURE
- Testing of the real scale model for instabilities
- Thinner elements & lighter materials?