Requesting ALMA time

2 phases:

- ✓ Phase I: Proposal submission
- ✓ Phase II: Submission of successful observing program

The OT is used for both phases:

Phase I:
- ✓ Fill in list of authors (ALREADY REGISTERED)
- ✓ Fill and attach science & technical justification
- ✓ Define and fill SCIENCE GOALS
- ✓ Validate
- ✓ Submit

Phase II:
- ✓ If awarded time, generate SCHEDULING BLOCKS from science goals, validate and submit

Scheduling Block (SB)

➢ Everything needed to run an observation GENERATED FROM THE SCIENCE GOAL AUTHOMATICALLY!

➢ It contains:
  - source information (science targets + calibrators, mapping area)
  - spectral setup
  - performance and observing parameters (sensitivity, cycle times, pointing and calibration accuracy etc..)

➢ Users will not normally interact with an SB ! (EXPERTS users can edit SBs and create complicated setups…)

How to generate SBs

➢ Retrieve your project from the ALMA archive (or upload it from disk)

➢ Create a NEW PROGRAM associated to the successful proposal

➢ Create your SCIENCE GOAL(S) – or just copy/paste the successful SGs from phase I

➢ Create your SBs

➢ Validate them

➢ Submit!

What you don't ask for

➢ TIME ON SOURCE

   - OT reports an estimate based on likely weather, but observations will proceed
     until sensitivity is reached

➢ CALIBRATORS:

  - The observatory will provide all necessary calibrators if "system-defined
   calibration" (default) is chosen
  - Own calibrators can be requested if "user-defined calibration" is chosen
   (to be justified in the proposal!!)
       ✧ Dynamic: define a 'cone search' based on position, radius, flux, etc...
       ✧ Fixed: enter a source manually (e.g. 3C273)