Preparation

- 1. Build the SED library

List of SED *filename* including path GALAXY SEDs in $LEPHAREDIR/SED/GAL/filename QSO ... /QSO/ ... STAR ... /STAR/ ...	*Command line executables* ─────────────► *sedtolib*	SED *library (binary format and doc)* Products stored in $LEPHAREWORK/lib_bin

- 2. Build the filter library

List of *filename* from FILTER_LIST including path $LEPHAREDIR/filt/filename	─────────────► *filter*	Filter file (ascii format and doc) Products stored in $LEPHAREWORK/filt

- 3. Build the flux/magnitude library

Build from SED and filters libraries (step 1 & 2) + redshift grid, cosmology, dust, ...	─────────────► *mag_gal*	Flux/magnitude library (binary format and doc) Products stored in $LEPHAREWORK/lib_mag

Photometric redshifts

Start with the flux/magnitude libraries (step 3) + input catalogue + list of output parameters	─────────────► *zphota*	Output catalogues Products stored in the working directory

LEPHARE++ executables

- Stored in your *bin* directory if *pip install lephare*
- Stored in *LEPHARE/bin* if installed in developper mode (cloning github.com/lephare-photoz/lephare)

$LEPHAREDIR   set to the default cache directory *cache/lephare/data* (if *LEPHAREDIR* not defined)

Directory storing internal data used by the code.

Two ways of getting them:
- Full clone of the LEPHARE-data repository (github.com/lephare-photoz/lephare-data)
- Use the *data_retrieval* function available in the python interface

sed/ : galaxy/AGN/star templates from numerous sources (classified in subdirectories)

filt/ : filters from numerous telescopes/instruments (classified in subdirectories)

ext/ : dust attenuation curves

opa/ : tables with the IGM opacity at various redshifts

$LEPHAREWORK   set to the default cache directory *cache/lephare/work* (if *LEPHAREWORK* not defined)

Directory storing intermediate libraries produced by the code

lib_bin/ : selected SED merged in one library (binary format and doc)

filt/ : selected filters merged in one library (ascii format and doc)

lib_mag/ : libraries with predicted magnitudes (binary format and doc)