Adaptive lookahead planning for performing music composition

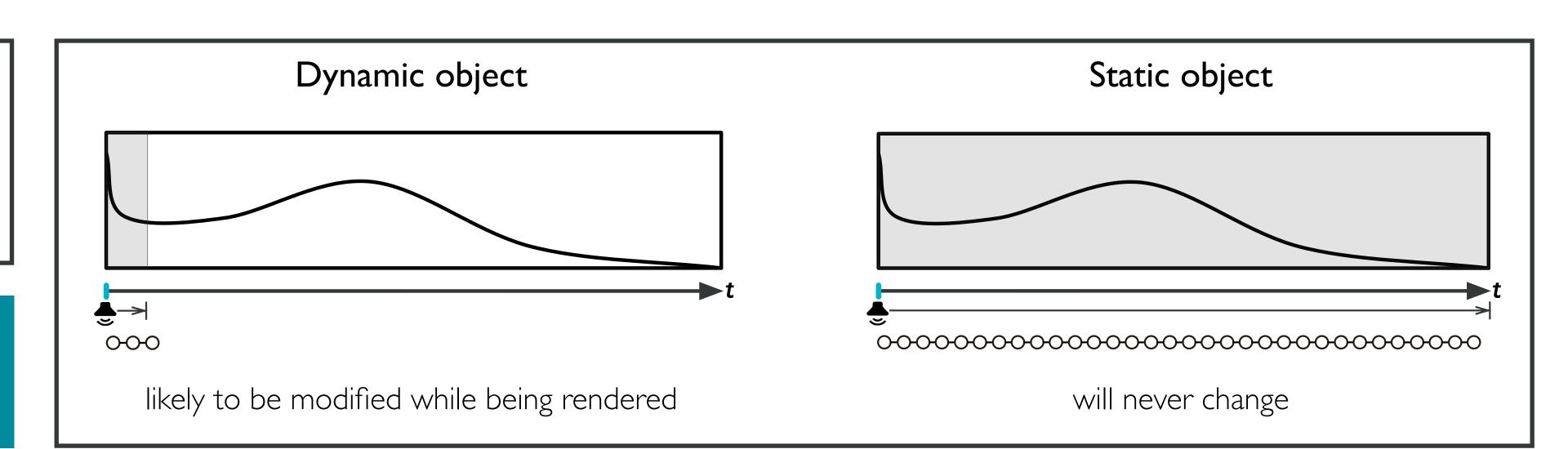
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Context

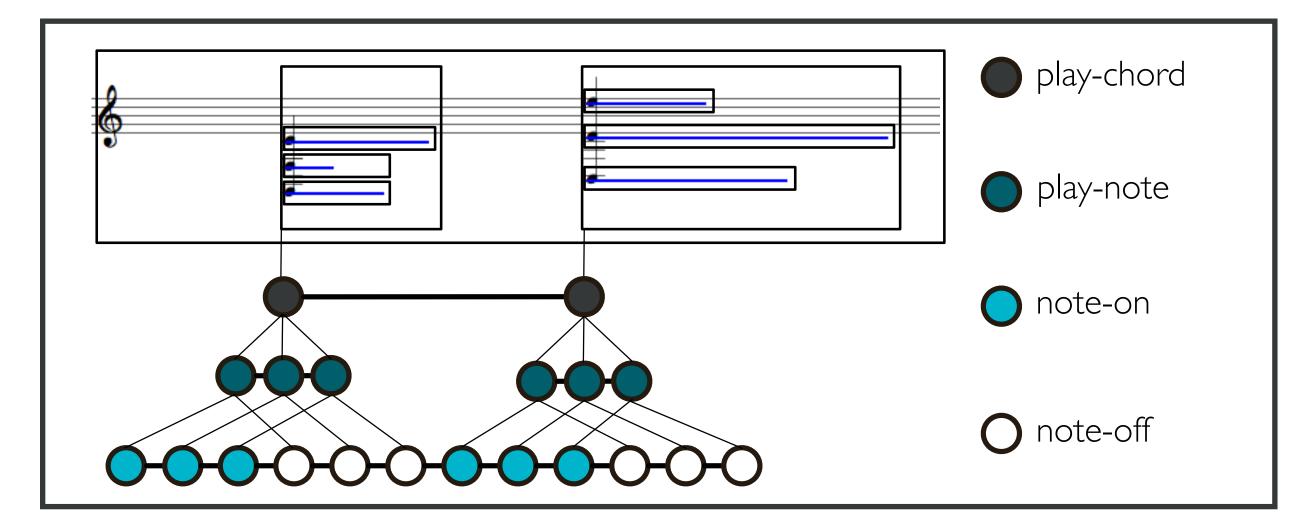
- Creating music amounts to write (compose) and perform (live)
- Composition can last an indefinite time
- Performance has a timeline defined during composition

Compositional processes that generate or modify musical structures can be integrated in musical objects, and occur during the performance

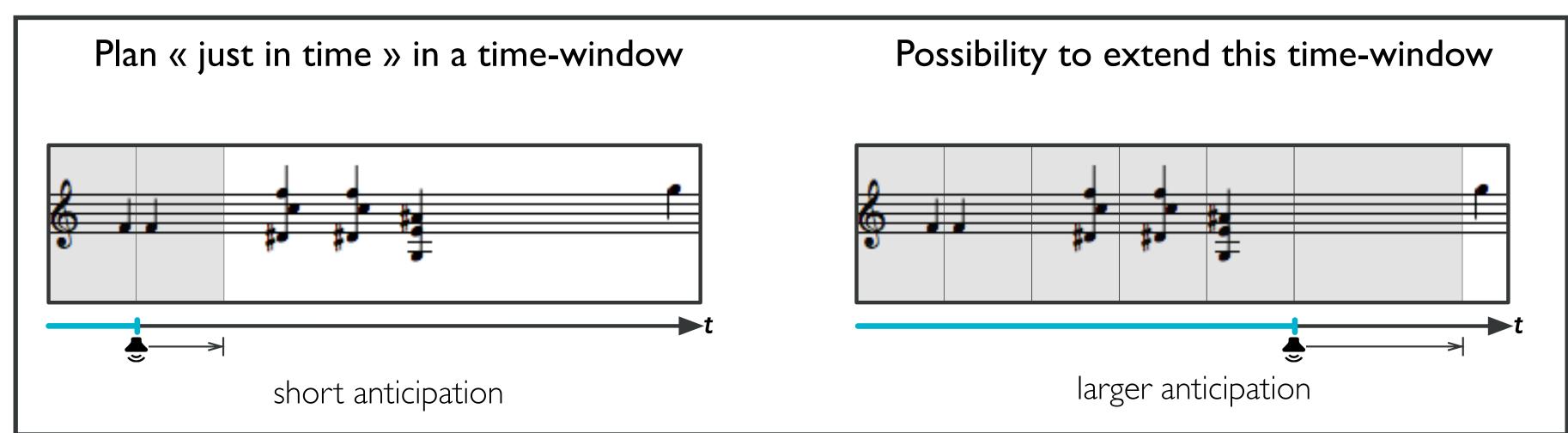
Adaptive lookahead (dynamic vs. static)



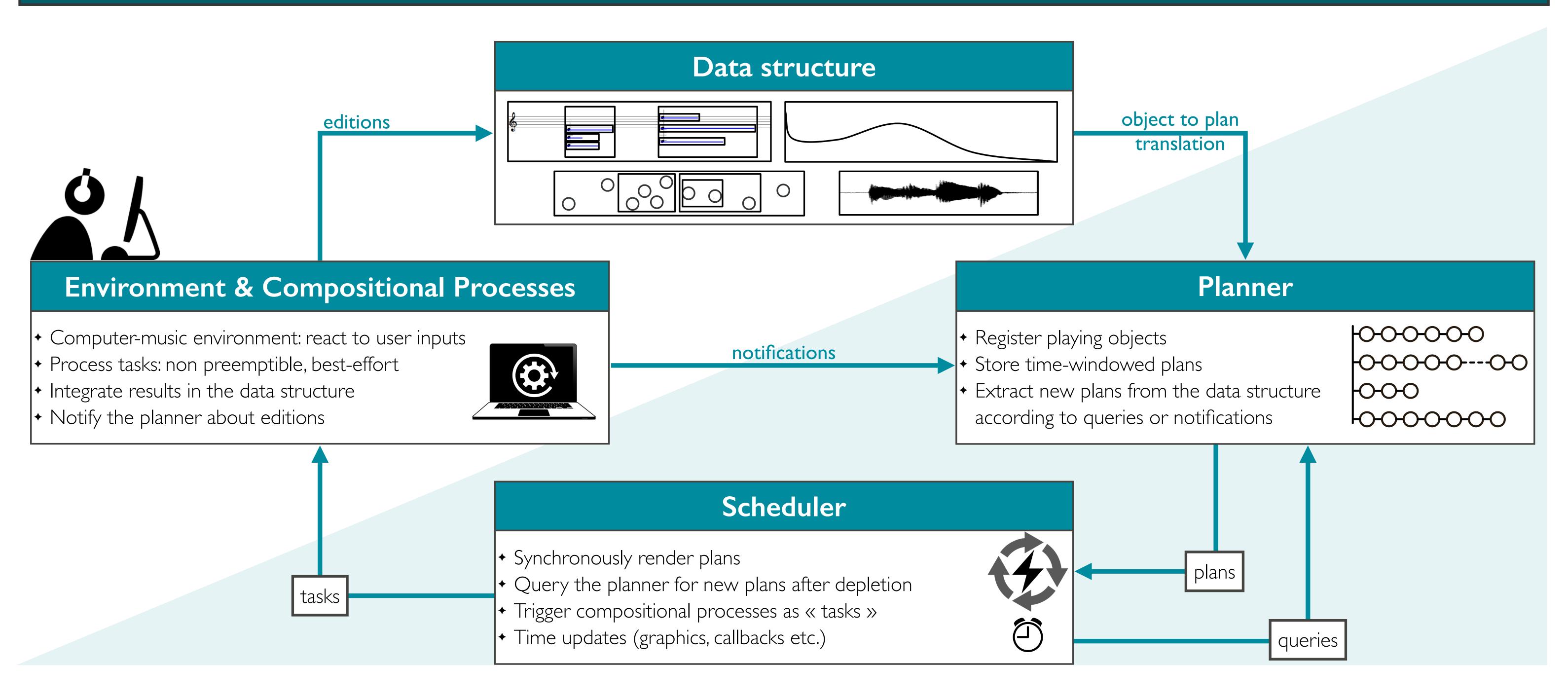
Planning of a musical object



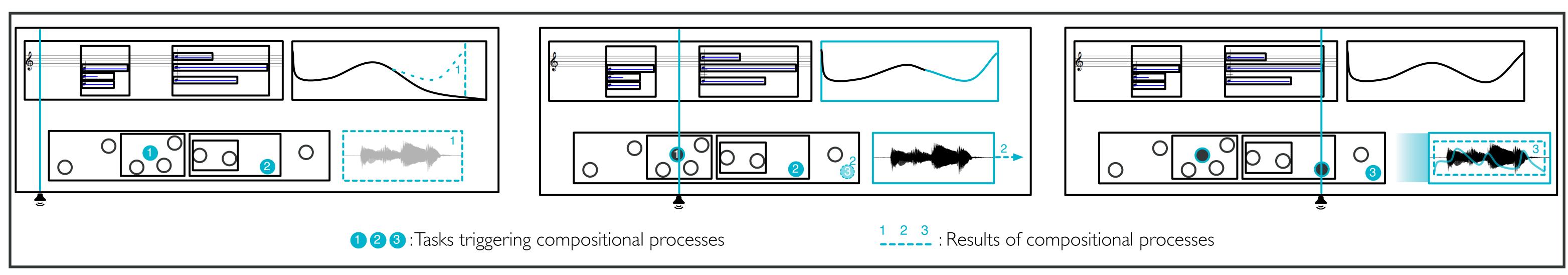
Dynamic lookahead extension



Planning and scheduling operation scheme



Example



EFFICAC(e) ANR-13-JS02-0004-01: http://repmus.ircam.fr/efficace/Download OpenMusic: http://repmus.ircam.fr/openmusic/







