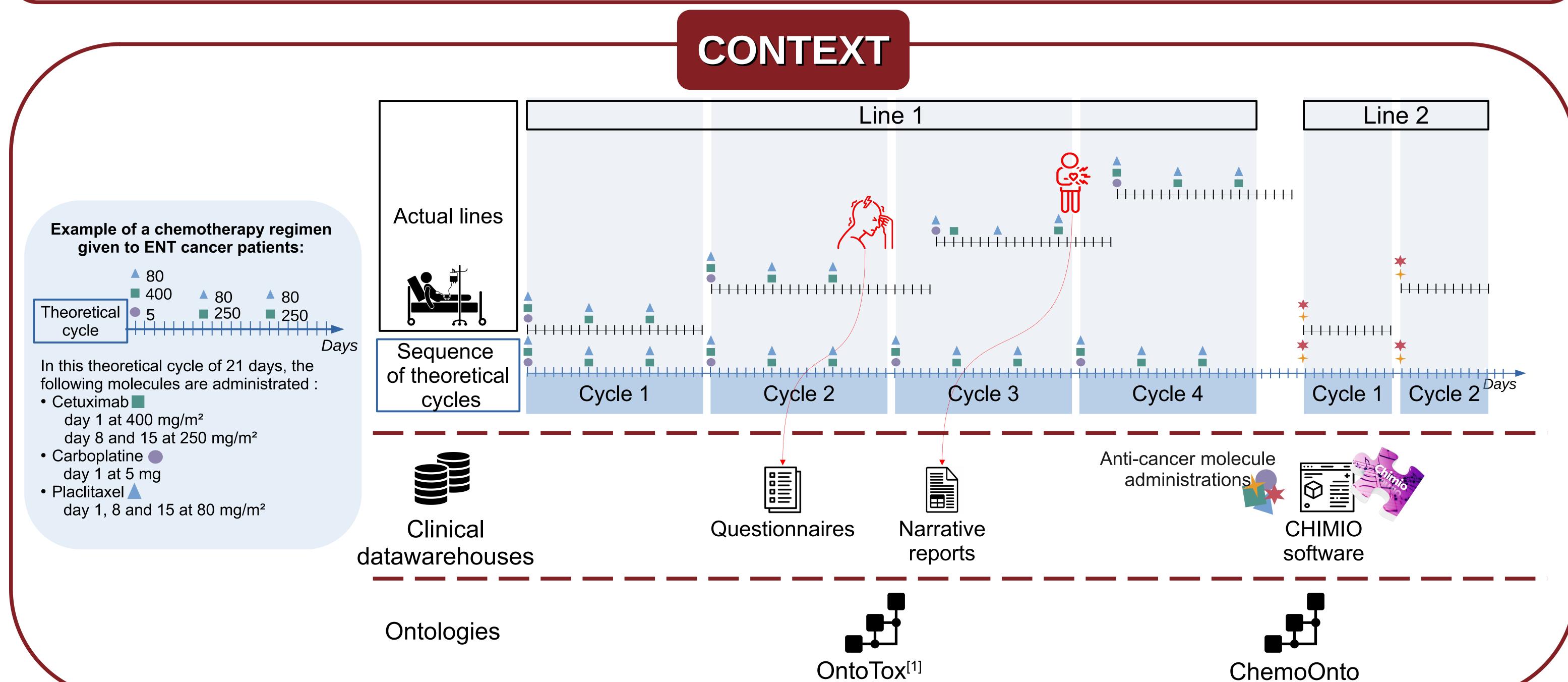


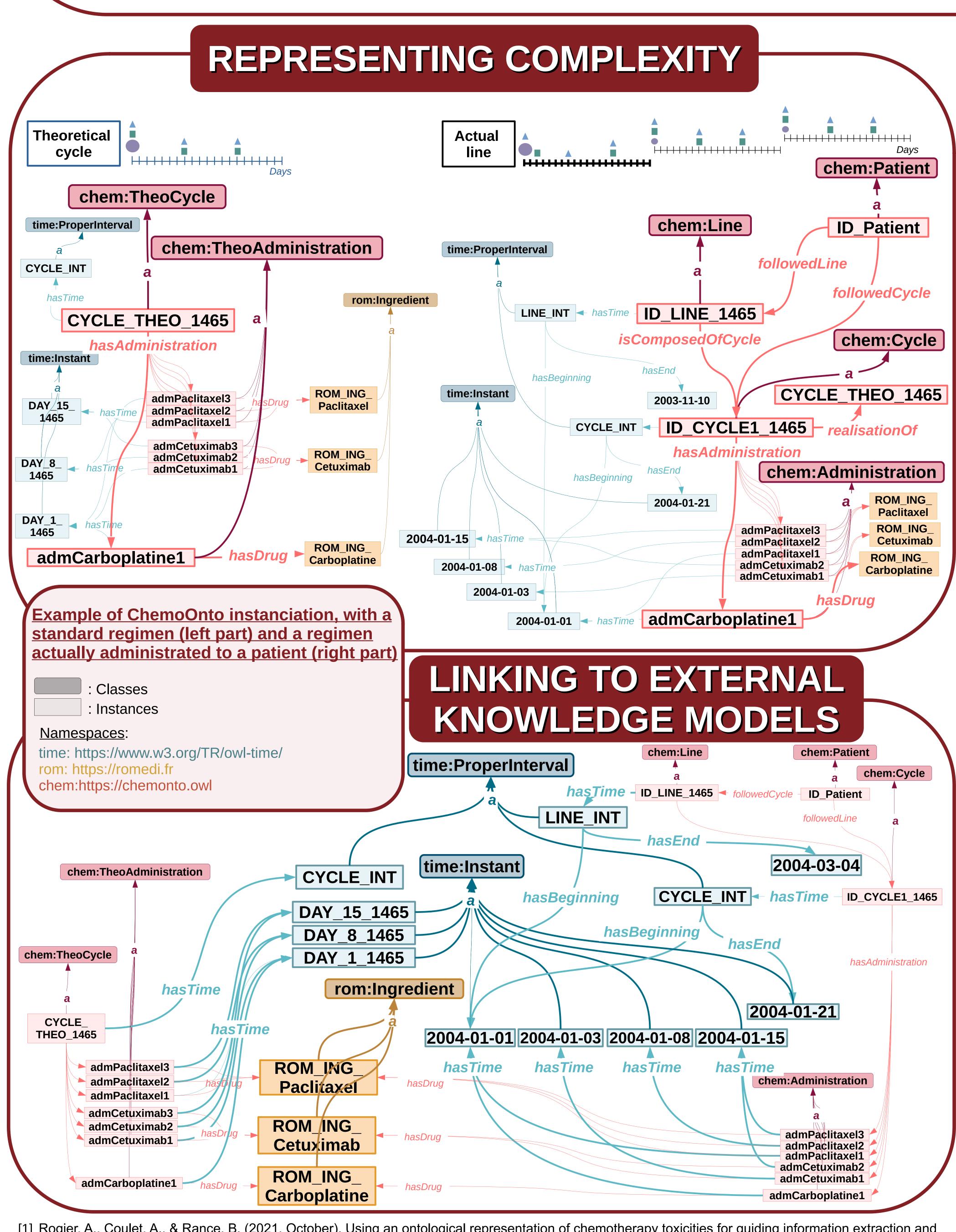
A-061: ChemoOnto, an ontology to qualify the course of chemotherapies

Inserm

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chem:Cycle chemtox:Patient tox:ChemotherapyToxicity ID_CYCLE1_1465 id_extracted_tox id_patient "Asthénie" 'Bob" time:ProperInterval 2004-01-09 Inside CYCLE_INT 2004-01-21 time:Instant 2004-01-01 SWRL rule: chemtox:Patient(?pat), chem:Cycle(?cycle), tox:ChemotherapyToxicity(?tox), time:ProperInterval(?p), time:Instant(?i), chem:followedCycle(?pat, ?cycle), tox:isRelatedToPatient(?tox, ?pat), time:hasTime(?cycle,?p), time:hasTime(?tox,?i), time:inXSDDateTime(?i,?di), time:hasBeginning(?p, ?pbeg), time:hasEnd(?p,?pend), time:inXSDDateTime(?pbeg, ?dpbeg), time:inXSDDateTime(?pend, ?dpend), swrlb:lessThanOrEqual(?dpbeg, ?di), swrlb:lessThanOrEqual(?di, ?dpend) -> time:inside(?p,?i) 3,923 patients ChemoOnto OntoTox questionnaire **AND** ≥ 1 CHIMIO record **OntoTox** ChemoOnto #instances Classes Classes #instances Chemotherapy

REASONING

representing

actual treatment

Administration

Cycle

Line

487,325

62,343

11,197

time:inside object property

Toxicity instant indentified

within a cycle interval

Toxicity evaluated as absent

instant indentified within a

cycle interval

Toxicity evaluated with its

severity instant indentified

within a cycle interval



980,105

759,622

220,483

#instances

825,202

633,766

191,436

Toxicity

Toxicity

evaluated as

absent

Toxicity

evaluated with

its severity