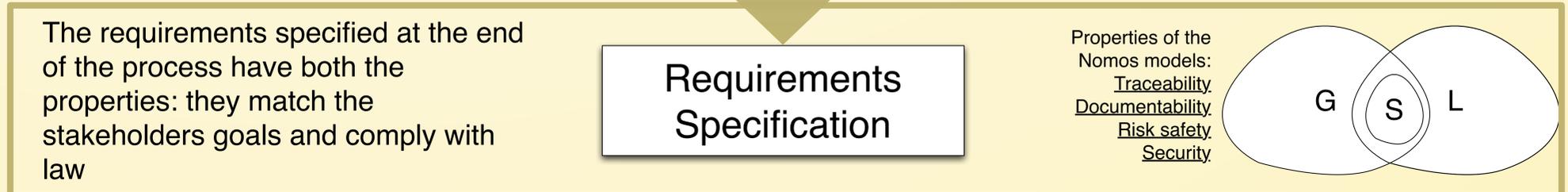


Fundamentals of a process

Step	Activity	Input	Output	Conceptual tools	
1	Domain characterization	(Preliminary gathering of knowledge about the domain, its stakeholders, goals, and existing laws)	none	preliminary goal model of the domain	Conceptual tools: Goal-oriented modeling language <i>i*</i> : concepts of Goal, Actor, strategic dependency between actors
2	Law modeling	Legal domain exploration; collection of applicable laws; law modeling using a formal language (Nomos)	preliminary goal model of the domain	model of applicable laws	Conceptual tools: Ontology of legal concepts Hohfeldian taxonomy: <i>Claim, Duty, Privilege, No-claim, Power, Liability, Immunity, Disability</i>
3	Intentional compliance modeling	Refinement of the law models with the information collected in step 1; matching of law subjects with stakeholders; linking of goals with legal prescriptions	preliminary goal model of the domain and of applicable laws	model of compliant requirements	Conceptual tools: Laws and goals $C = L \cap G$



References

Alberto Siena, John Mylopoulos, Anna Perini, and Angelo Susi. **The Nomos framework: Modelling requirements compliant with laws.** Technical Report TR-0209-SMSP, FBK – Irst, <http://disi.unitn.it/asiena/files/TR-0209-SMSP.pdf>, 2009.

A. Siena, J. Mylopoulos, A. Perini, A. Susi. **From Laws to Requirements.** 1st International Workshop on Requirements Engineering and Law (Relaw'08), held at the RE 2008. September, 2008. Barcelona, Spain.

Ongoing/future work

- Formalization. Properties of law compliant models have to be formalized: traceability, documentability, risk-safety, ...
- Analysis. We are currently exploring how automation can support analyst in checking compliance properties
- **Case studies!** The Nomos framework has to be applied to a real and extended case study.