



An experimentally-validated multi-scale materials, process and device modelling & design platform enabling non-expert access to open innovation in the Organic and Large Area Electronics Industry (MUSICODE)

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Contents

Publishable summary	4
1. Introduction	5
1.1 Objectives of WP/Task.....	5
1.2 Purpose of this Document	5
2. Methodology and results	6
2.1 Methodology	6
2.2 Results	7
2.2.1 Microstructure evolution in binary systems (polymer-solvent).....	7
2.2.1.1 Microstructure evolution in domains with different initial composition and temperature	7
2.2.1.2 Temperature gradient in the domain.....	11
2.2.1 Microstructure evolution in ternary systems (polymer-polymer-solvent)	12
3. Discussion	14
3.1 Achievements	14
3.1.1 Microstructure with different initial composition and temperature	14
3.1.2 Temperature gradient in the domain.....	15
3.1.3 Microstructure evolution in ternary systems (polymer-polymer-solvent)	16
3.2 Risks	16
3.2 Next steps	17
4. Conclusions	17
References	17

Publishable summary

This deliverable describes the study of the binary and ternary systems. The phase field modeling is used to predict the microstructure evolution of the polymeric solution, microstructure domains, and phase separation as functions of temperature and concentration of the polymer. Phase-field modeling is used for binary system and successfully predicted the phase transformations in binary systems. The attempts to predict the phase diagram of the few ternary systems with the minimization of the free energy are successful. The further transformation of the ternary systems is also considered.