INDUSTRIAL DESIGN FORUM 1 Nov. 2016 ID5 Annual Meeting 2016

Analysis of underlying economic factors and IP office actions on how they impact global design filings.

(Objective: Better forecast and prepare for the future)

Lead by: EUIPO



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Forum

Project definition

The objective is to understand what impact underlying economic factors and IP office actions (events) have on design filings, with the aim to forecast design filings as accurately as possible and plan for the future.

This will be done in three stages: 1.Benchmark the existing forecasting models of all partners 2.Thorough R&D on best model(s) for each partner 3.Forecast tool development

PORUM

In scope

- 1. Direct design filings and international registrations
- 2. Past events that may have had an influence on the number of filings
- 3. Macro economic variables
- 4. Literature review
- 5. Evaluation of best open IT platform
- 6. Creation of best forecast algorithms
- 7. Review of most suitable statistical forecasting methods
- 8. Create knowledge sharing platform

Out of scope

- 8. Other filings following the initial filings, like invalidities, renewals etc.
- 9. Forecast of macro economic variables, like GDP etc
- 10. Development of IT platform.

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Project timeline (starting after official aproval of project)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Phase 1. Project preparation and review of existing methods																								
1.1 Project preparation and planning																								
1.2 ID5 Forecasting methods survey																								
1.3 Forecasting methodology evaluation per ID5 member																								
1.4 Input data collection and analysis for each ID5 member																								
Phase 1 deliverable. Forecasting evaluation report for each ID5 member																								
Phase 2. Forecasting model R&D																								
2.1 Current state of the art and scientific literature review																								
2.2 Forecasting methodology for each ID5 member																								
2.3 Main events and exogenous variables analysis for each ID5 member							<u></u>																	
2.4 Forecasting techniques testing and validation for each ID5 member																								
2.5 Selection of the best custom forecasting approach for each ID5 member																								
Phase 2 deliverable. Forecasting methodology study for each ID5 member																								
Phase 3. Forecasting tool R&D							ļ																	
3.1 Forecasting technology evaluation																								
3.2 Forecasting tool concept for each ID5 member																								
3.3 Framework software selection and IT needs evaluation																								
3.4 Forecasting algorithms and programming development																								
3.5 Software forecasting tool preparation for each ID5 member																								
3.6 Forecasting model tool implementation and testing																								
3.7 Forecasting tool user training and manual							<u>.</u>																	
Phase 3 deliverable Forecasting tool implemented for each ID5 member			-																					