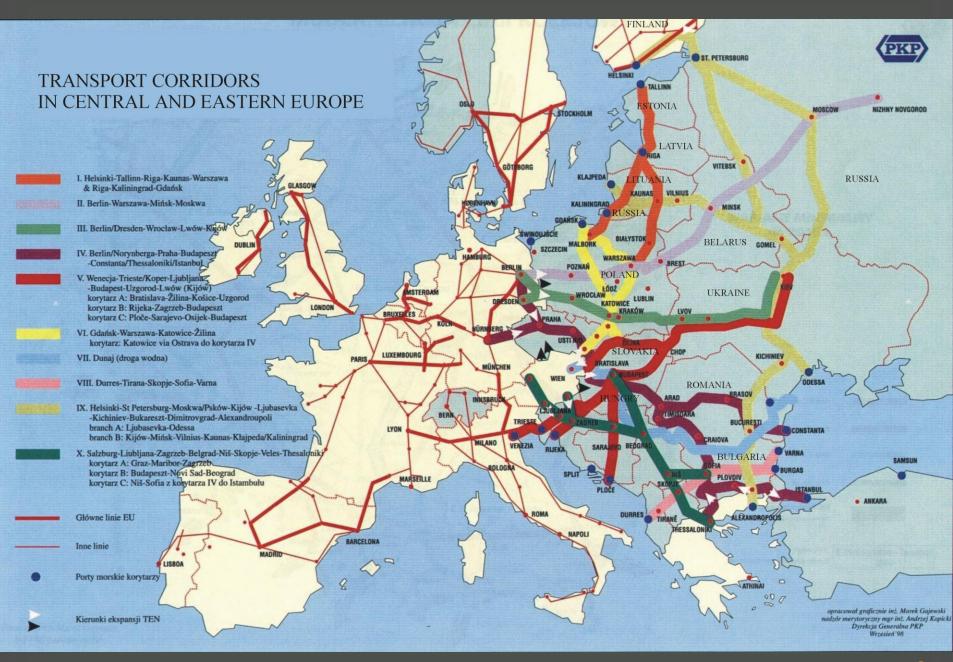
Bezpieczny i Zrównoważony Transport Powierzchniowy Warszawa

Scientific and Organizing Problems Concerning European Grants Related to Shifting Wheelset

Andrzej Chudzikiewicz

Warszawa listopad 2005



SIXTH FRAMEWORK PROGRAMME PRIORITY 6 SUSTAINABLE DEVELOPMENT, GLOBAL CHANGE AND ECOSYSTEMS THEMATIC AREA: SUSTAINABLE SURFACE TRANSPORT



Contract for: SPECIFIC TARGETED RESEARCH PROJECT

Annex I - "Description of Work"

Project acronym: **INTERGAUGE**

Project full title: INTEROPERABILITY, SECURITY AND SAFETY OF GOODS MOVEMENT WITH 1435 AND 1520 (1524) mm TRACK GAUGE RAILWAYS: NEW TECHNOLOGY IN FREIGHT TRANSPORT INCLUDING HAZARDOUS PRODUCTS

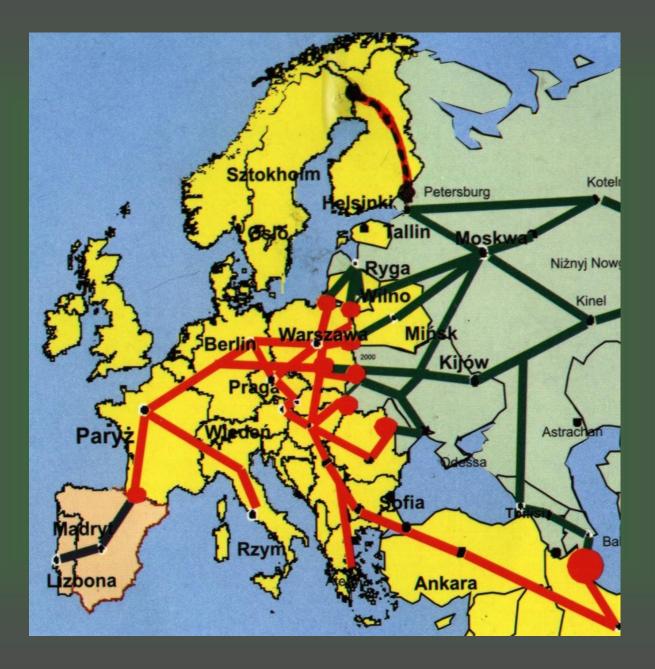
Proposal/Contract no.: PL 516205 Date of preparation of Annex I: 15.11.2004 Operative commencement date of contract: (to be completed by Commission)

Goal of the Project:

developing freight movement technology INTERGAUGE, especially with regard to hazardous products, enabling the interoperable, safe and secure shipment between railways with different gauge widths.

INTERGAUGE TECHNOLOGY

- The prototypes of freight bogie cars with gauge adjustable wheel set SUW-2000 II working at higher capacity (axle loads increased to 225 kN) and higher speed (120 kph) with lower tare weight ratio,
- Prototype of an automatic new generation track gauge-changing station and transport management and operation of the stations situated at the changing points between 1435 mm and 1520(1524) mm railways.



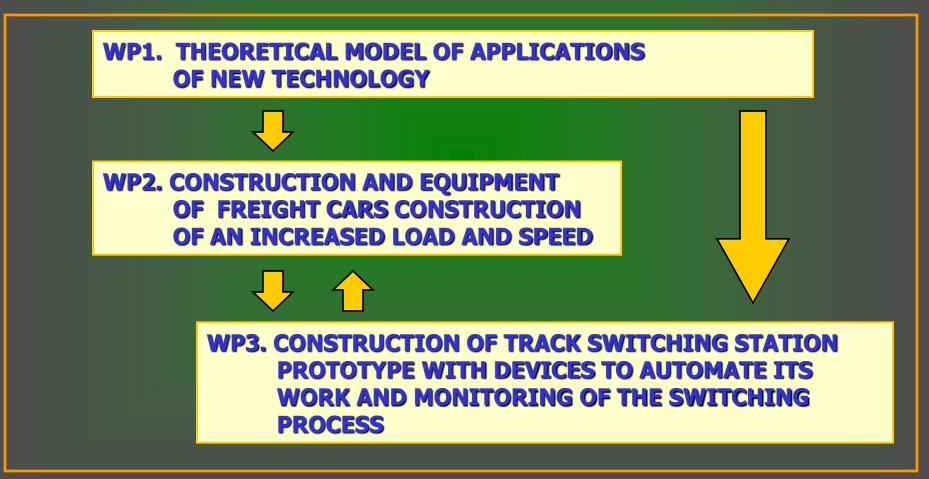
PROJECT OBJECTIVES

Three groups of topic are to be considered while realising the project:

- WP1 defining the principles of new INTERGAUGE technology applied while rolling stock with a gauge adjustable wheel sets moving through border crossings;
- WP2 development of prototypes construction of 2 types of freight bogie cars equipped with adjustable wheel sets;
- WP3 construction of the track gauge changing station and the equipment used to operate it, enabling safe movement of wagons developed in WP2 within the time limits set in WP1.

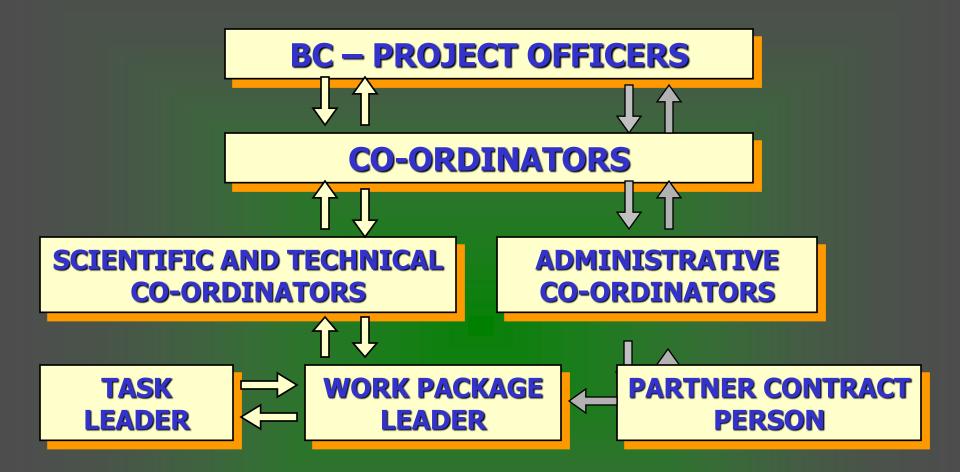
GRAPHICAL PRESENTATION OF WORK PACKAGES





STRUCTURE OF ORGANIZATION OF THE PROJECT







Scientific/technical matters

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Administrative/Financial matters

List of Participants

Part. Role /*	Par no.	Participant name	Particip. short name	Country	Date enter project	Date exit project
CO	1	Politechnika Warszawska (Warsaw University of Technology)	PW (WUT)	POLAND	1	28
CR	2	Kiev University of Transport Economy and Technologies	KUTET	UKRAINE	1	4
CR	3	Railway Scientific and Technical Centre	CNTK	POLAND	1	28
CR	4	State Research Centre of Railway Transport of Ukraine	SRCUZ	UKRAINE	7	10
CR	5	Vilnius Gediminas Technical University	VGTU	LITHUANIA	7	10
CR	6	University of Żlina	UŻ	SLOVAKIA	7	10
CR	7	Dniepropietrovsk National University of Railway Transport	DNURT	UKRAINE	3	28
CR	8	The Institute of Logistics and Warehousing	IliM	POLAND	1	7
CR	9	Rolling Stock Repair Works	ZNTK	POLAND	7	20
CR	10	Kryukovsky Railway Car Building Works	KRCBW	UKRAINE	7	22
CR	11	JP - Transplan Ltd.	POYRY	FINLAND	7	22
CR	12	KOLTRAM	КТ	POLAND	7	22
CR	13	TENS Ltd.	TENS	POLAND	7	22
CR	14	Polish State Railways – Polish Railway Lines Joint Stock Company	PKP PLK S.A	POLAND	7	22

CONCLUSIONS

