



RFCS-Project DissTec

“Valorisation and dissemination of technologies for measurement, modelling and control in secondary metallurgy”

Process Models in Secondary Steelmaking

Brescia, 27.04.2017



Objectives of the DissTec project in the frame of the european steel research programme RFCS



Main objective of **DissTec** is to revisit the most important European projects related to Secondary Metallurgy technologies carried out in the last 25 years, to valorise, distribute and promote the exploitation of the results..



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- To identify merits and limitations of the various technological solutions, as well as the spread of their implementation in the European steel plants



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- To evaluate the impact of the results on the technological level



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- To identify merits and limitations of the various technological solutions, as well as the spread of their implementation in the European steel plants
- To evaluate the impact of the results on the technological level
- To identify future developments and trends to be expected in Secondary Metallurgy technology



Project partners and duration

Project partners

- VDEh-Betriebsforschungsinstitut (BFI), Düsseldorf (Coordinator)
- Centro Sviluppo Materiali (CSM), Rome
- Centre de Recherches Metallurgiques (CRM), Liege
- Swerea MEFOS, Lulea, Sweden
- Materials Processing Institute (MPI), Teesside, UK

Project duration

01.07.2016 – 31.12.2017





Planned activities

- Set-up of a web site to allow the access to the results of the project analysis, to the presentations of seminars, webinars and workshops and to the road map for future developments





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 - Measurement technologies for the quality relevant parameters of liquid steel (temperature, composition, cleanness, ...)
 - Models for secondary metallurgy processes
 - Approaches for on-line monitoring and control
 - Connected auxiliary materials (refractories, stirring plugs, slag control, ..)
 - Energy and resource efficiency, Environmental aspects



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- The attendance to the seminars, webinars and workshops is free

Schedule for seminars, webinars and workshops



Event	When	Who	Where	Context	Topic
Seminar 1	27. April 2017	CSM	Brescia, Italy		Process Models for Secondary Metallurgy
Seminar 2	22. / 23. May 2017	MEFOS	Stockholm, Sweden		Connected auxiliary materials, gas stirring
Seminar 3	29. June 2017	BFI & CRM	Vienna, Austria	ESTAD 2017	Measurement technologies
Seminar 4	27. Sept 2017	MPI	London, UK IOM3 premises	IOM Seminar	Optimisation of Secondary Metallurgy practices -models, measurement and control technologies (focus on clean steel)
Seminar 5	14. / 15. November 2017	BFI	Duisburg, Germany FEhS Institute	VDEh expert group meeting “Electric Steelmaking”	On-line process control of Secondary Metallurgy plants (focus on EAF steelmaking)
Webinar 1	Sept 2017	CSM & BFI			Measurement technologies
Webinar 2	October 2017	MPI & BFI			Level 2/3 Control Systems
Workshop	10. Nov 2017	BFI	Düsseldorf, Germany	Steel 2017, Annual conference	Road map for future Secondary Metallurgy technology

Project Web site



■ Information on the project under

www.bfi.de/de/projekte/disstec

- Dates of the seminars, webinars and workshops
- Download of presentations after the events
- Further information as list of evaluated projects, links to reports, videos, animations,)