cut & sew your GPS tracks

Tin Tvrtković - Federico Ciccozzi
What is DSD GPXCleaner?
Distributed Software Development
Teachers
Supervisors
Customers

Tin Tvrtnkić
- Project Leader
- Coding
- Documentation Management
- Communication Management
- Final Presentation

Josip Labor
- Algorithm design and implementation

Tihomir Bregović
- Documentation Management
- Coding

Pablo Santibañez-Jara
- Swedish Side Leader
- GUI design and implementation

Federico Ciccozzi
- Coding
- Documentation
- Final Presentation

Jenny Jutterström
- GUI design and implementation
- Documentation

Coen Tempelaars
- Algorithm design and implementation
What is DSD GPX Cleaner?
GPX File → Tracks → Segments → Points

- Metadata
- Individual points
- Routes
- Name
- Comments
- Description
- Lat & Lon
- Elevation
- Time
- Name
- ...

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What is DSD GPX Cleaner?
Technology
DSD GPXCleaner

GUI

GPX Manipulator

Swing

NASA World Wind Java
GPX Manipulator

- Loading and saving of GPX data
- Path reduction
- GPX datetime parsing
- Wild point detection
- Segment length calculation
Local Approach
Global Approach
Wild Point Reduction

8 km

19:31

19:32

19:35
Development Process
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- **Development** = Blue
- **Tweaking** = Green

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Communication Challenges

Västerås

Zagreb

1536 km
Team

Supervisors

Customer
Team

Supervisors

• Teleconferencing
• E-mail
• Web pages
Team

- E-mail
- Deliverables

Customer

SCORE
Team

- Skype
- Google Groups
- Instant Messaging (MSN)
- SVN repository
We Would Like To Thank...

• **Course Professors:** Ivica Crnković, Mario Žagar

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• **Score Customer:** Michal Young

• **ICSE & SCORE supporting teams**
Thanks for Your attention