

Joke Hettema

## Een brug te ver? Uitdagingen van gedistribueerd agile testen Najaarsevent TestNet: 22 september 2009

## Samenvatting

Planon develops a standard software suite and has adapted Scrum four years ago. To extend its software development capacity, Planon has recruited new staff in Hyderabad, India. Currently, seven out of nine teams are working in a distributed manner, i.e. one or more team members are located in India. The split is straight down the middle, not role-based. On average, half of the developers and testers are located in the Netherlands, and the other half is located in India.

Most challenges apply to the whole team, but some apply to the testers in particular. In India, the hierarchy in software development is much stronger, where the testers usually are at the bottom. Communication lines are long, with a lot of managers in between the developer and the tester. In our Scrum teams, all members are equal and the team manages itself. For our new Indian colleagues, that proved to be quite a "culture shock".

We covered this issue while recruiting Indian testers; we assessed the candidates' ability to adjust to our way of working. After a first selection (primarily focused on language), the candidates participated in a hands-on workshop with practical cases, which uncovered their communication and teamwork skills. Planon now employs eleven Indian testers.

Distributed testing also has logistical challenges: our nightly and continuous build processes provide the tester with new software versions regularly, but getting that software quickly to the other side of the world is difficult.

## Biografie

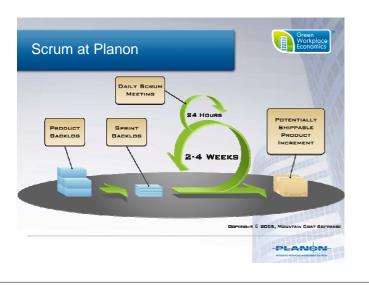
Joke Hettema (39) studied Biology at the Groningen University. She switched to working in ICT in 1995 and worked as test engineer, test coordinator and test manager in many projects and businesses. Currently working at Planon BV as an Agile Tester and Scrum Master, Joke is continuously involved in innovating and improving the agile test process. Joke is ISTQB certified Test Practitioner and certified Scrum Master.



Agenda	Green Workplace Economics
Introduction	
The India project	
Current situation	
Cultural challenges	
hierarchy     communication lines     recruitement	
Logistical challenges	
communication     software / tools     meetings	
Conclusion	



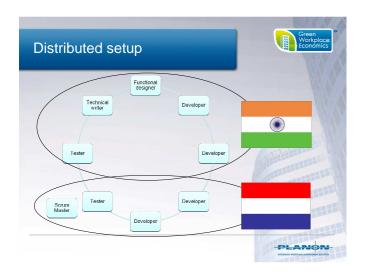


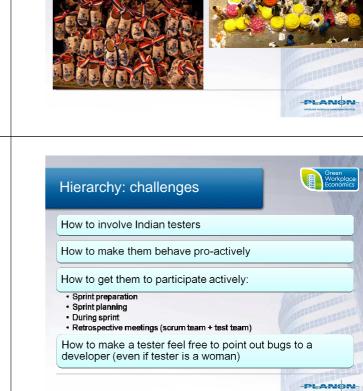












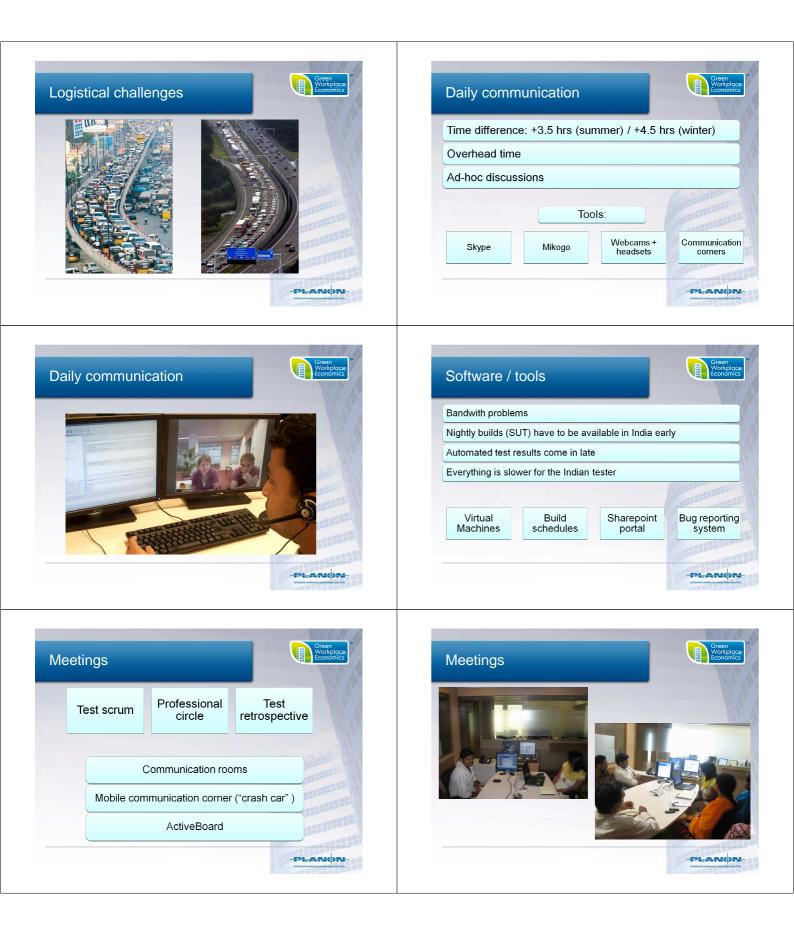
Cultural challenges

Hierarchy
Remember, when we testers were at the bottom...?
In most Indian companies, this is still the case
Relations between men and women are different
But in a Planon scrum team:

- all team members are equal
- the team manages itself (facilitated by scrum master)
   the tester painting titles to
- the tester points out the bugs to the developer
- everybody supports each other with their tasks

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erarchy: how to overcome the allenges	Communication lines
Coaching (individually and in teams)	
Allow some things go wrong, and let them fix it	This is not an uncommon process in a traditional project:
Facilitate them in this by providing tools	When a bug is reported:
Coaching Dutch team members	
Team building (during introduction perdiod)	Tester Test coordinator Testmanager Oevrolopment Lead developer Developer
Sending Dutch team members to India	When a bug is fixed:
Give them confidence and responsibility	Developer Lead Development Test Test Test Tester
Avoid having a demand – supply relationship	
ug reporting in a scrum team:	English language       Communication       Agility       Assertivity         Workshop (same as for Duch testers)         Recruiting a number of new employees in a limited time frame is a challenge
troducing new employees	The Indian testers
ew employees come to Holland for 2 months	
Oals: Get to know each other on a personal level Get to know the country Social activities	
Training	





## Conclusion Productivity will not be the same as in co-located teams Doing Scrum helps! Both sides need to adjust to each other's culture Meeting face-to-face is crucial Encourage Indian colleagues to participate and take initiatives Treat the Indian side of the team as equals: Assigning difficult tasks Involving in discussions PLANON





