Automatic Planning of Hybrid Access Triple Play Networks

Agenda

- The problem
- Motivation
- Solution description
- Results

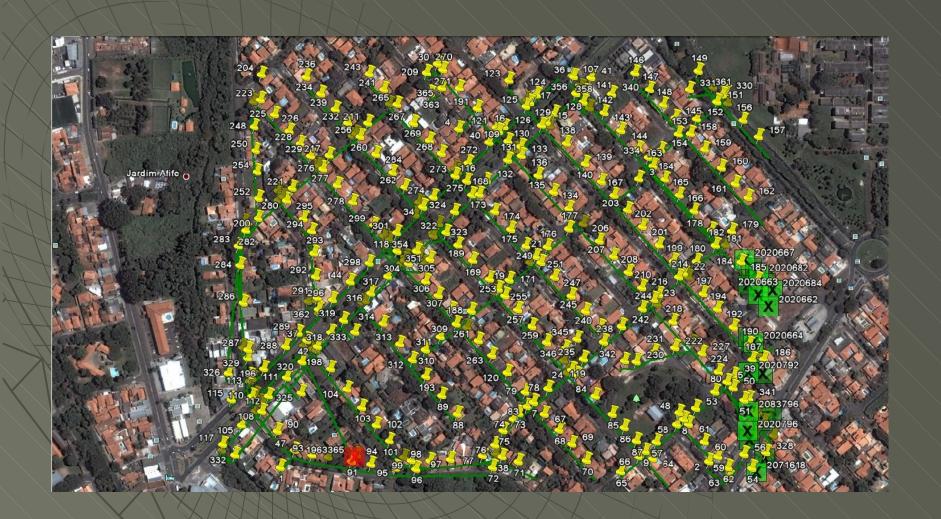
The Problem

- Vertical networks, high specialized-> general purpose
- Different technologies
- Cost x benefits
 - Lower costs of material
 - Satisfy higher demands
- Find a minimal cost set of equipments and cable segments

Motivation

- Reduce cost and time of network planning
- Reduce risks concerning network planning
- Compute cable segments, splitters, etc needed for a new network

Planning Area



Solution Description

- Prospects
- Bandwidth
- Infrastructure
- Network technologies

Network Planner

Planned Network

Network Planner

- Shortest path
- Phylogenetic tree reconstruction
- Different technologies combination
 - Search for the improvements in layout and costs

Planned Network



Results

- Costs Layouts

Thank you!

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