





Mamuka GVILAVA











Erasmus+ Programme of the European Union

This action has received funding under the European Union Horizon 2020 research and innovation programme under grant agreement No 730222 and No 730333



#### Our geospatial background



#### © GEOGRAPHIC'S Background

• Established in 1998 – we are the first geospatial company in Georgia



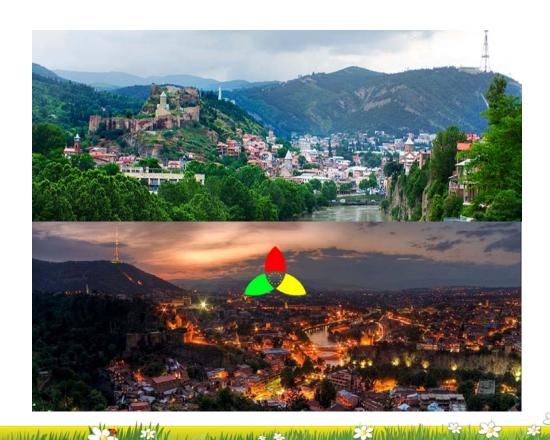


- We were established in 1998
- We have up to 50 employees...
   including two directors





- We were established in 1998
- We have up to 50 employees...
- We are located in **Tbilisi**, **GEO**rgia







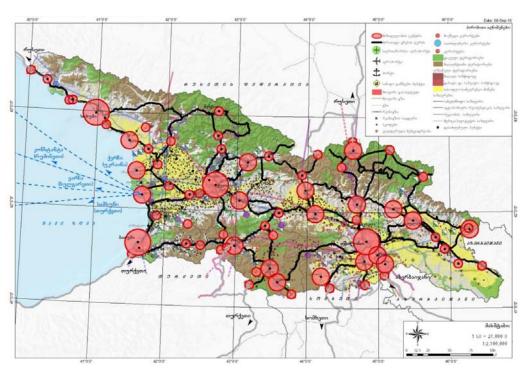








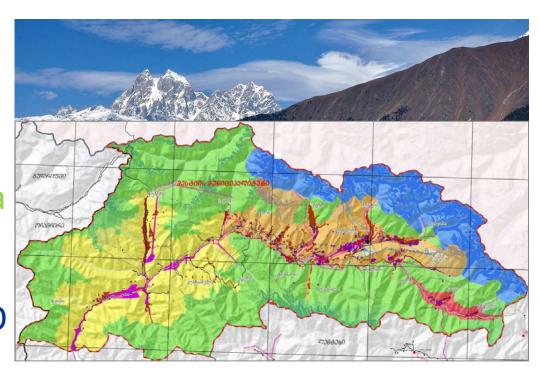
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- We are located in Tbilisi, GEOrgia
- We provide geospatial services to all GEO sectors in need of GEO



National level planning – PM's 4 Point Spatial Plan



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Regional planning – e.g. beautiful green Svaneti heritage







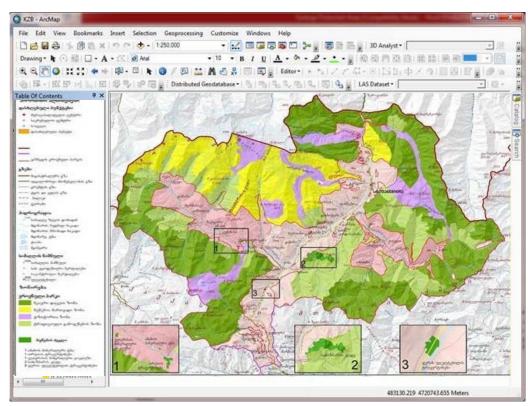




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#### SEOGRaphic's Background

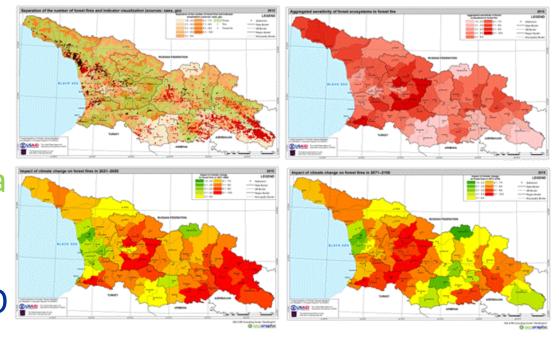
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Multifactor analysis for protected areas planning (Kazbegi NP)



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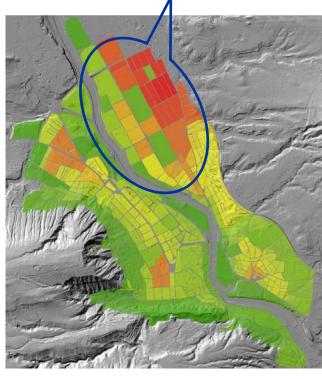
Climate change assessment – forest fires 2021-50, 2071-2100



#### S Background

- We were established in 1998
- We have up to 50 employees...
- We are located in Tbilisi, GEOrgia
- ... and we provide geospatial services in support of Nature Base Solutions

solution, needed



**ENVTAB** - **indicators for historic Tbilisi** (more at our **poster**)











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Our geospatial nature based solutions











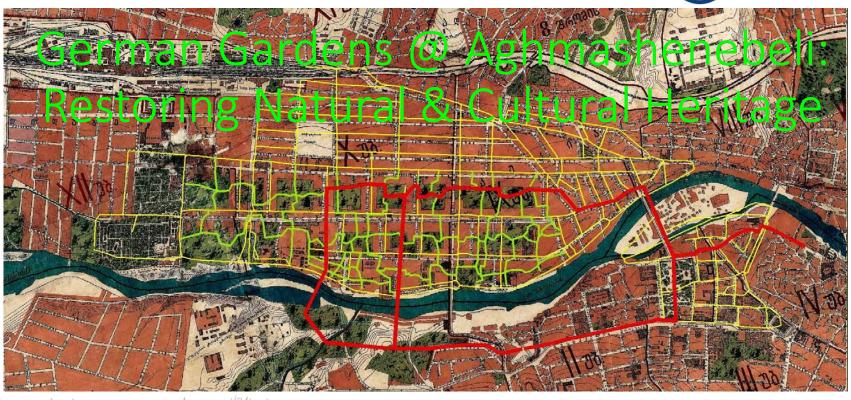


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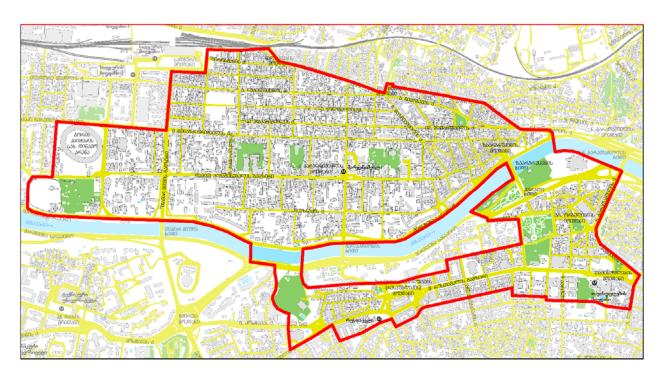
#### Historic baseline

- Alexandersdorf: 125 ha

- 1924: 40 ha 17 gardens

- 2015: 9 ha of few gardens and 14 ha of scattered green spots

- 30 ha lost in 80 years!





## Secographic's NBS Solutions for Tbilisi



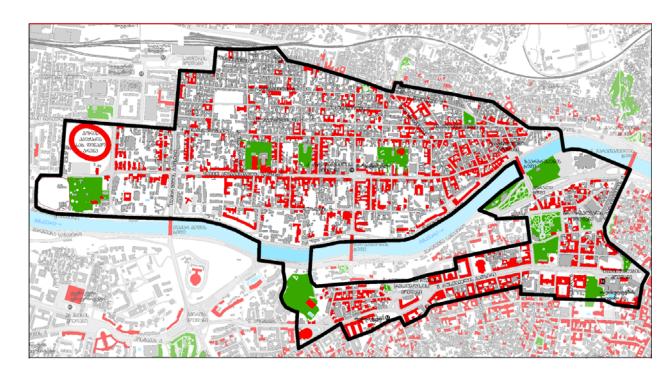






#### Heritage baseline

- Under threat (and opportunity to restore and protect) are both natural and cultural heritage







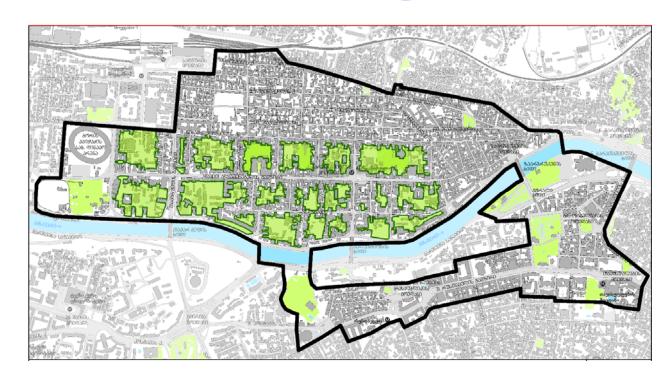






#### Nature potential

- It seems possible to revitalize & revegetate 44 ha of abandoned, degraded, vacant and wasted-filled spaces







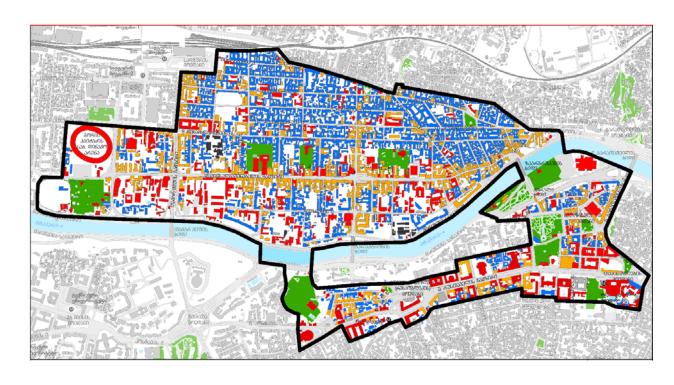






#### **Urban potential**

- Improve ecology
- Increase attractiveness
- History and culture
- New tourism attraction
- SME and business
- Improve infrastructure
- Better employment
- Quality of life
- Visibility















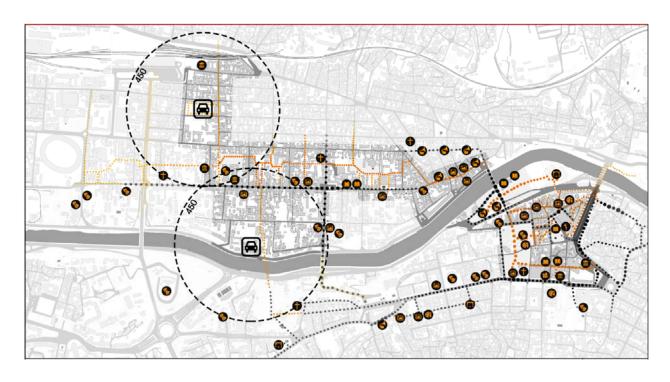






#### Access potential

- Organise parking nodes & enhance pedestrian accessibility







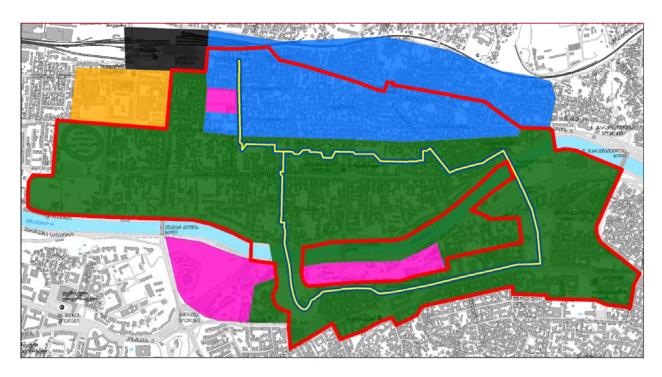






#### Large picture

- Larger scale zoning picture combined with pilot implementation







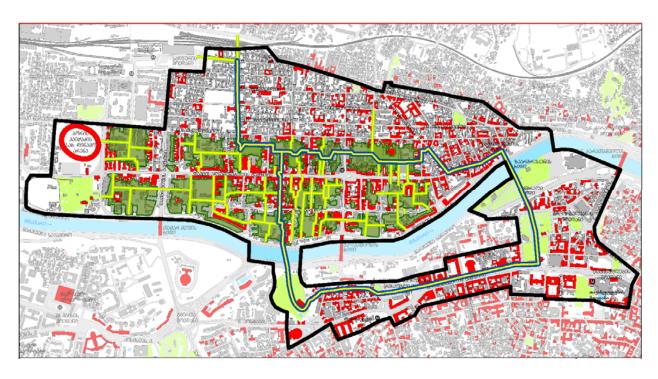






#### Integral vision

- Synergy of tourism routes, green spaces regulated through novel 'Green Lines' establishing servitude 'right of ways' through green easements (visà-vis existing regulatory 'Red' and 'Blue Lines')













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# Secographic's NBS Solutions for Tbilisi

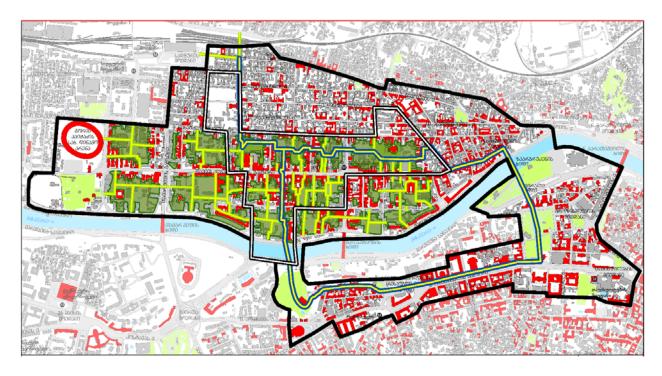








#### Pilot scheme proposed







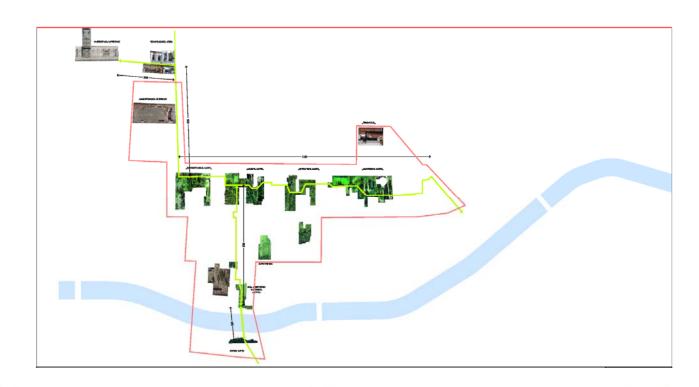






#### Pilot actions

- Renew existing gardens















the European Union Horizon 2020 research and innovation programme under grant



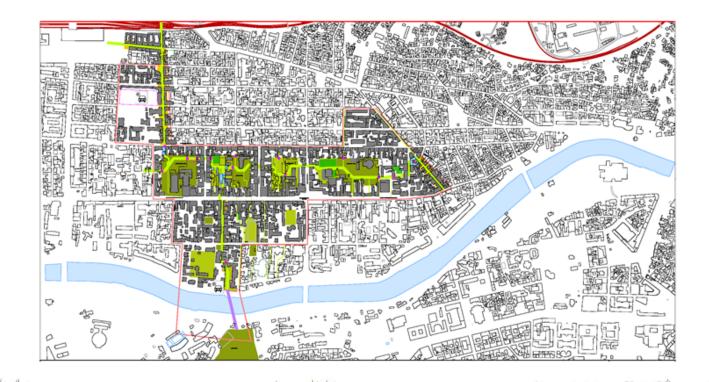






#### **Pilot actions**

- Renew existing gardens
- Renew green fragments













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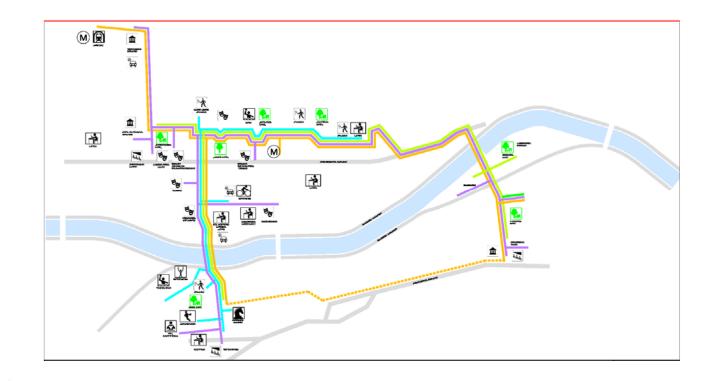






#### Pilot actions

- Renew existing gardens
- Renew green fragments
- Opening old passages and providing new ones













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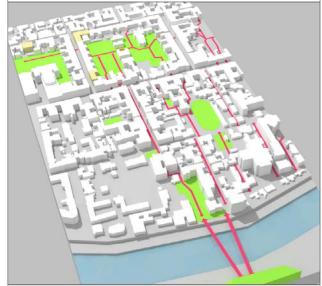
#### Pilot actions

- Renew existing gardens
- Renew green fragments
- Opening old passages and providing new ones
- Arranging green ecopaths and bicycle routes

#### **Existing**



#### **Proposed**















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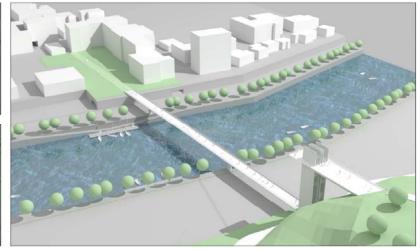
#### **Pilot actions**

- Renew existing gardens
- Renew green fragments
- Opening old passages and providing new ones
- Arranging green ecopaths and bicycle routes
- Pedestrian and bicycle bridge over Mtkvari

#### Reconnecting **GREEN** and **BLUE** urban spaces

















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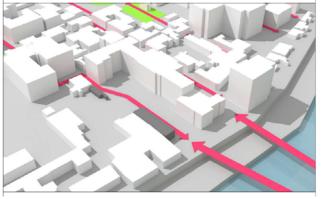


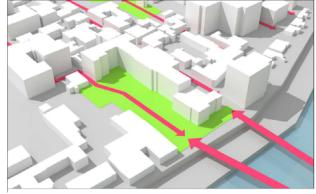


#### Pilot actions

- Renew existing gardens
- Renew green fragments
- Opening old passages and providing new ones
- Arranging green ecopaths and bicycle routes
- Pedestrian and bicycle bridge over Mtkvari
- Pedestrian streets

**Proposed Existing** 

























#### Pilot actions

- Renew existing gardens
- Renew green fragments
- Opening old passages and providing new ones
- Arranging green ecopaths and bicycle routes
- Pedestrian and bicycle bridge over Mtkvari
- Pedestrian streets
- Restoring heritage

#### **Proposed Existing**

















## Secographic's NBS Solutions for Tbilisi









**Greening** only?

Or NBS?

Multifunctional benefits following the best European **NBS** expertise tapped by

**CONNECTING** (with) Nature















CONNECTING
Nature Based
Solutions from
all over Europe
and the World
by EUL SRI
partner





Figure 1. Information board at Derbyshire St Pocket Park detailing the background to, and functioning of, the NBS exemplar.















## S CONSULTING CENTER PHIC'S NBS Solutions for Thilisi

CONNECTING
Nature Based
Solutions from
all over Europe
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partner

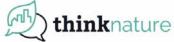


















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Video 1 Video 4

Video 2 Video 5

Video 3 Video 6

click and see drone videos to see more













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Our geospatial advantage



















We already did it many times and can deliver again, now with NBS:

The Success













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We already did it many times and can deliver again, now with NBS:

The Success















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# SECOGRAPHIC and Tbilisi are the best because

Proven record of SME working with Tbilisi City Hall and our communities:

With Success













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## © GEOGRAPHIC and Tbilisi ( are the best because

He did it in Milan! Can do it again: Mayor of Tbilisi is committed day and night to

City Full of Life

The remaining terms: 4 years!

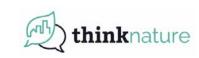
Connecting

სიცოცხლით სავსე ქალაქი



Bringing cities to life. **Bringing life** into cities

And that's what CONNECTING Nature is all about!













# Transforming Cities, Enhancing Well-Being: Innovating with Nature-Based Solutions











Welcome to Tbilisi! Welcome to GeoGraphic! Support Tbilisi Connecting with Nature!











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