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Ecological and sustainable design in road traffic

-- footpaths —

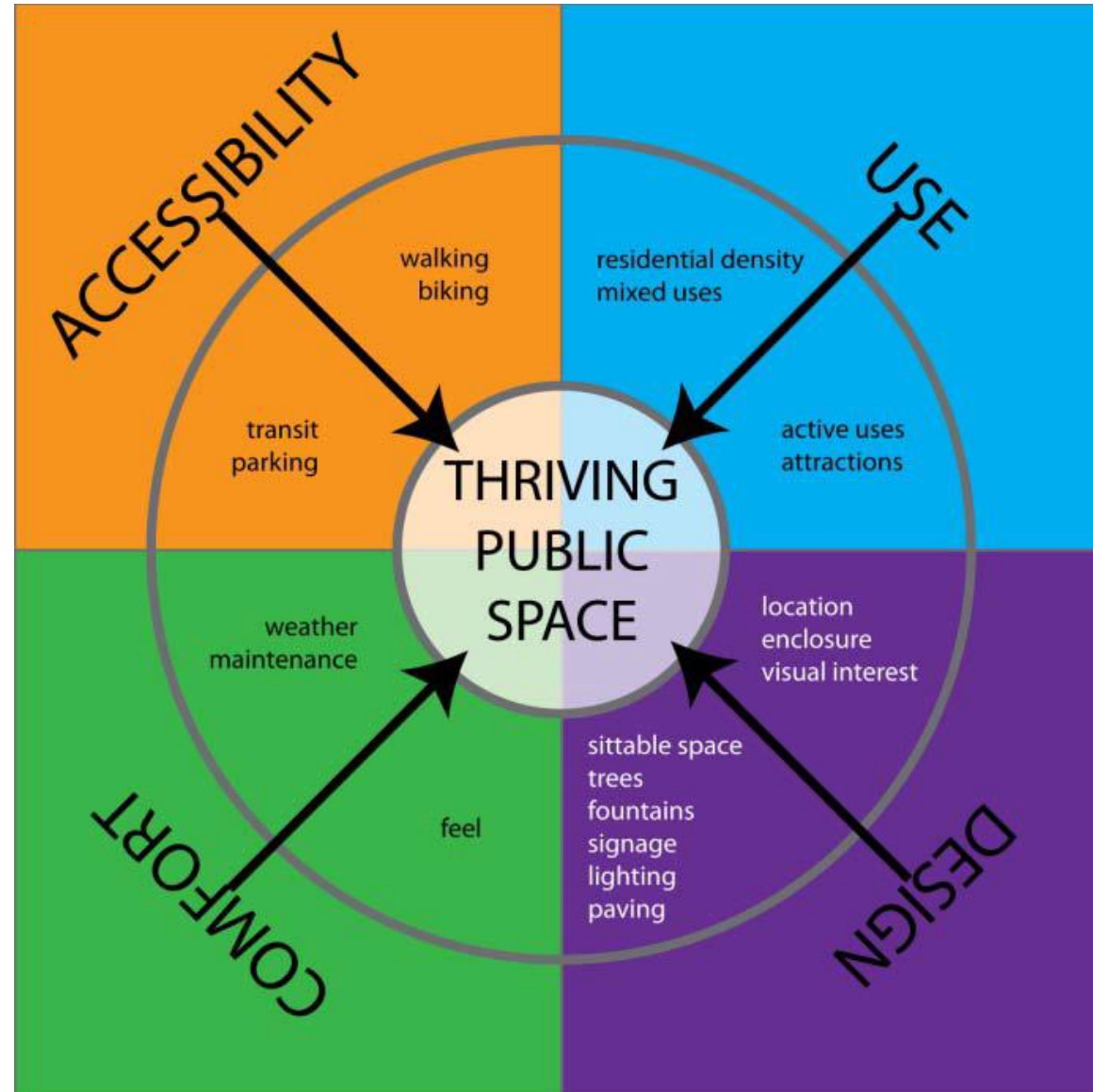
B. Stanić

**Partnership for Promotion and Popularization of Electrical Mobility through Transformation and
Modernization of WB HEIs Study Programs/PELMOB**

Call: ERASMUS-EDU-2022-CBHE-STRAND-2

Project Number: 101082860

“Four pillars” of a successfully designed public space...



- **safe** - which minimizes fears and possibilities of various injuries;

- **accessible and flowing** - the space it represents an element of communication networks and flows, which adequately accepts different modes of traffic, integrates purpose and movement, and accepts the degree of mobility of all citizens, including persons with special needs;

- **legible** - with the potential for adequate orientation in space, physical and visual definition, as well as recognition of the identity of the space;

- **pleasant** - a space characterized by the presence of greenery, water and sound effects, protection from rain and wind, sunshine on cool days, or shade during the summer heat;

- **inspiring** - a space that is interesting and dynamic, and that animates, encourages and educates by broadcasting various messages and

- **alive/fulfilled** - a space that "came to life" through use, which has most of the previously mentioned characteristics, which is adequately equipped and maintained, as well as adaptable to the changing sociological, technological and economic context.

ACCESSIBILITY: pedestrian, bicycle, transit, and automobile

Public transit with stops close to the pedestrian zone gives access to the rest of the city

Wide sidewalks on pedestrian-priority shared streets leading to the pedestrian zone provide easy and comfortable access to pedestrians

On-street parking outside of the pedestrian zone with parking garages on adjacent streets provides access for automobiles

Bike parking at entrance to the pedestrian zone gives access to bicyclists



USE: residential density, mixed and active uses, and attractions

Buildings with residences and offices on the upper floors provide a constant customer base to the pedestrian zone

Active uses such as sidewalk cafes and restaurants create constant activity along the pedestrian zone

Attractions such as churches that are visible from within the pedestrian zone act as landmarks and attract people

First-floor retail draws people and activates the pedestrian zone



DESIGN: urban form and amenities

Pedestrian-scale lighting with planters add to a safe and attractive environment

Benches provide comfortable areas for people to relax and watch other people

Mid-rise buildings with varied facades create visual interest and enclosure within the pedestrian zone

Pavement treatment creates unique and comfortable walking surface



COMFORT: weather, maintenance, and feel

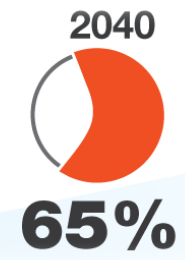
Buildings with awnings and arcades create refuges from adverse weather conditions

An overall attractive, comfortable, clean, and safe environment that is also visually appealing will make people feel comfortable and want to be there

Mid-rise buildings that frame a street provide protection from wind and create shade

Clean sidewalks and well-maintained buildings make people feel safe and comfortable



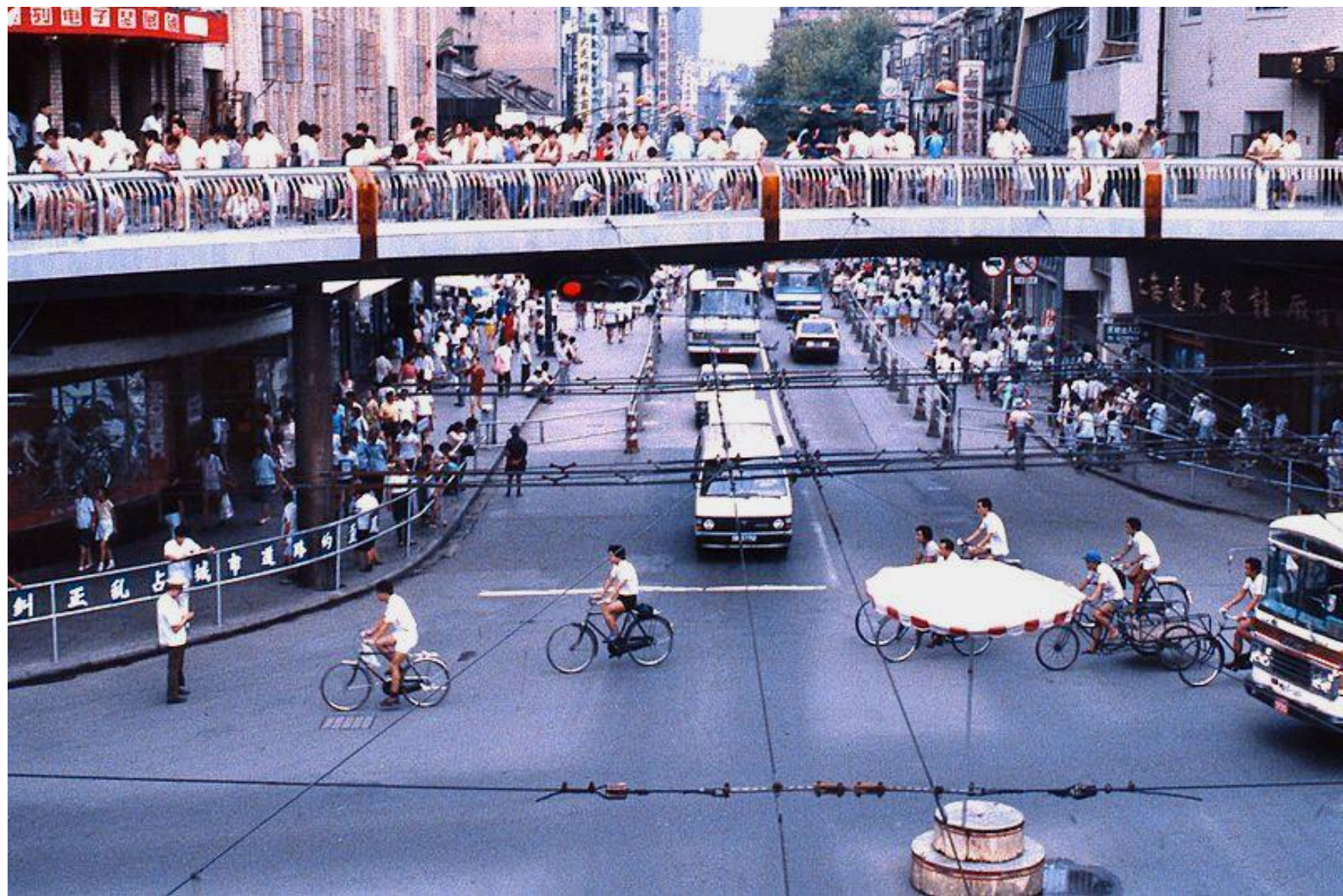


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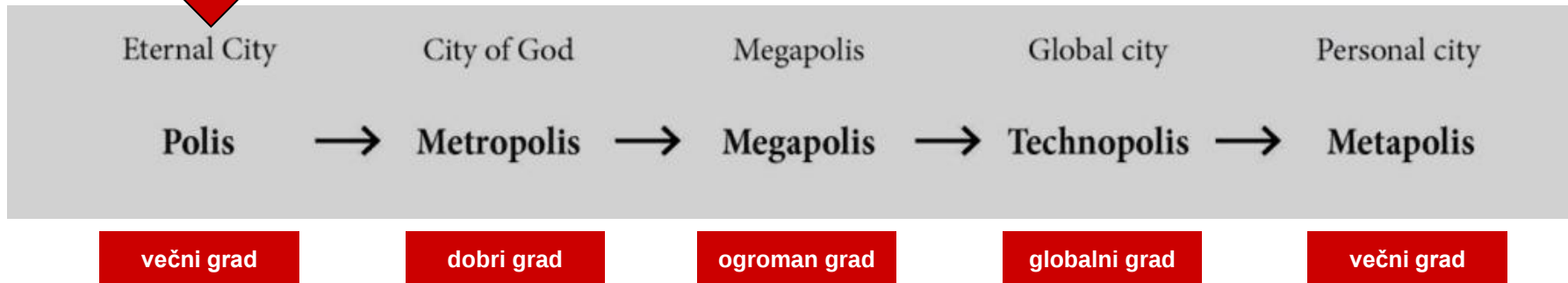
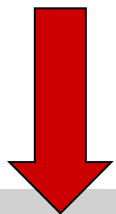






glavni (prestoni) grad, administrativni grad, verski grad, univerzitetski grad, trgovački grad, grad luka, grad na vodi, grad-raskrsnica, industrijski grad, postindustrijski grad, sajber grad, rudarski grad, turistički grad, grad - kazino, grad – vrt, ledeni grad, vojni grad, grad-tajna (zatvoren grad), grad-tvrđava ...

“The principle of the city: an organisational concept” / Courtesy of V.Nikitin



how to shape public space - two examples...





- ① Fountain
- ② Music Square
- ③ Sunken Plaza
- ④ Tree battle formation
- ⑤ Tree Square
- ⑥ Hotel Square
- ⑦ Open Theater
- ⑧ Pavilion
- ⑨ Wooden Platforms
- ⑩ Spring Square
- ⑪ Green Square
- ⑫ Green roof



Xuyong, Luzhou, China – 2014.





Xuyong, Luzhou, China – 2014.



