

**OPSITHE ONE PLANET PROJECT
RESEARCH BOOK SS2013**

University of Liechtenstein

1. SUSTAINABILITY	
1.1. Definition of the term.....	10
1.1.1. The three pillar model.....	12
1.1.2. Sustainability in Architecture.....	14
1.2. Sustainability labels and associations	
1.2.1. WWF "World Wide Fund For Nature".....	16
1.2.2. One planet society.....	23
1.2.3. Minergie labels.....	26
1.2.4. 2000 watts society.....	34
1.2.5. Leed.....	40
1.2.6. DGNB.....	47
2. CITY OF BERN	
2.1. Medieval cities.....	56
2.2. Historic center.....	60
2.2.1. Urban planing.....	64
2.2.2. Materiality.....	68
2.3. Tschärnergut 1954.....	72
2.4. Tschärnergut 2005.....	76
2.5. Siedlung Halen.....	80
3. CITY OF LISBON	
3.1. Origins.....	90
3.2. Medieval city.....	92
3.3. Manueline city.....	93
3.4. City Joanina.....	94
3.5. 20th century.....	95
3.6. Materiality.....	98
3.7. Social housing.....	100
3.8. Atebier Mob.....	104
4. DENSIFICATION STRATEGIES	
4.1. Industrial places Bern	
4.1.1. Overview on industrial and working zones.....	110
4.1.2. Zurich Lowenbrau.....	117
4.1.3. Zollverein.....	120
4.1.4. Industrial reconversion @22 Barcelona.....	122
4.2. Residual places	
4.2.1. Project SESC.....	127
4.3. Overlaying infrastructure	
4.3.1. Overview map.....	129
4.3.2. Die Schlange.....	130
4.3.3. High line NY.....	133
5. HOUSING TYPOLOGIES AND PROMINENT EXAMPLES	
5.1. City of Vienna.....	138
5.2. Unite d'habitation.....	154
5.3. Rietveld Schröder House.....	161
5.4. Housing typologies.....	166
5.5. Micro architecture.....	168
5.6. House in Harimauchi.....	174
5.7. Housing development in Netherlands.....	177
5.8. Tokyo Garden House.....	187
5.9. Raumplanungsgesetz.....	190

6. MATERIALITY IN ART

6.1. Andy Goldsworthy.....	194
6.2. Eduardo Chillida.....	198
6.3. Eva Hesse.....	204
6.4. Richard Serra.....	208
6.5. Rick Fischer.....	210
6.6. Ad Reinhardt.....	212
6.7. Roberto Burle Marx.....	218