

Urban Metabolism: Definitions, Concepts and Methodologies

André Ribeiro
Sustainable Energy Systems, MIT Portugal
Instituto Superior Técnico, Lisboa, Portugal

1 ABSTRACT

some abstract goes here

Contents

1 ABSTRACT 1

2 Introduction 1

3 Definitions 1

3.1 City 1

4 Concepts 1

4.1 Urban Services 1

5 Methodologies 1

5.1 Measuring Resilience 1

5.2 System Dynamics 1

4 Concepts

4.1 Urban Services

More plain text.

5 Methodologies

5.1 Measuring Resilience

5.2 System Dynamics

References

Wolman, A. (1965). The metabolism of cities. *Scientific American*, 276–296.

2 Introduction

Urban metabolism as a metaphore has been around for quiet a long time now Wolman (1965) and it has evolved towards some specific methodologies for urban areas analysis. The majority of the analysis in the area of Urban Metabolism today is linked to Material Flow Analysis (MFA).

However the citys’ metabolism (analysis) should be put to its own service rescue

However not many authors have settled their opinions

3 Definitions

3.1 City

Plain text!!