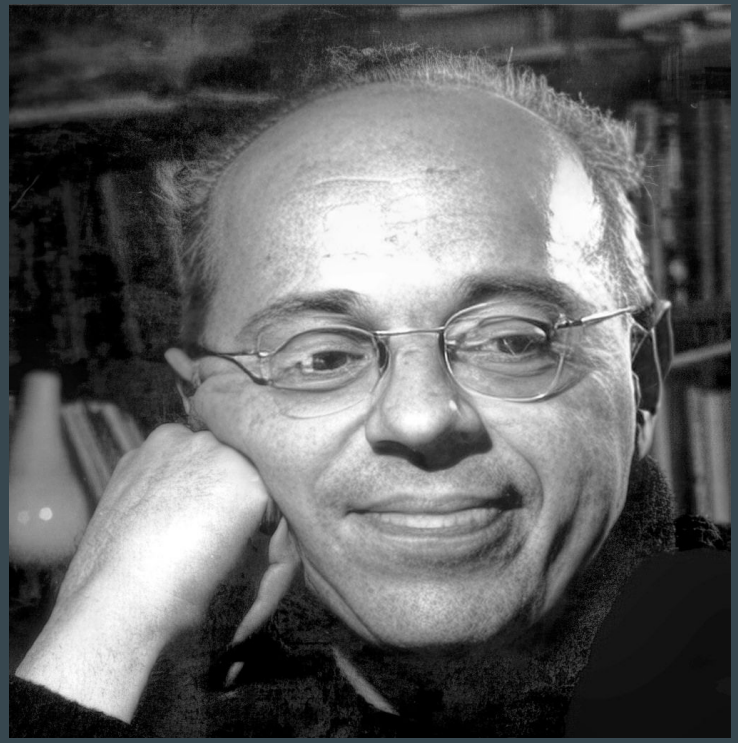
The LKG Ontology as an Example of LRMoo Application

Jakub Gomułka, Faculty of Humanities, AGH University of Kraków (Poland)

Lem Knowledge Graph



Stanisław Lem
(1921 – 2006)

science fiction author
futurologist
humanist

Solaris

The Futurological Congress

Golem XIV

Eden

Return from the Stars

Dialoges

His Master's Voice

Fiasco

Philosophy of Chance

The Invincible

Memoirs of a Space Traveler

A Perfect Vacuum

The Star Diaries

Science Fiction and Futurology

The Cyberiad

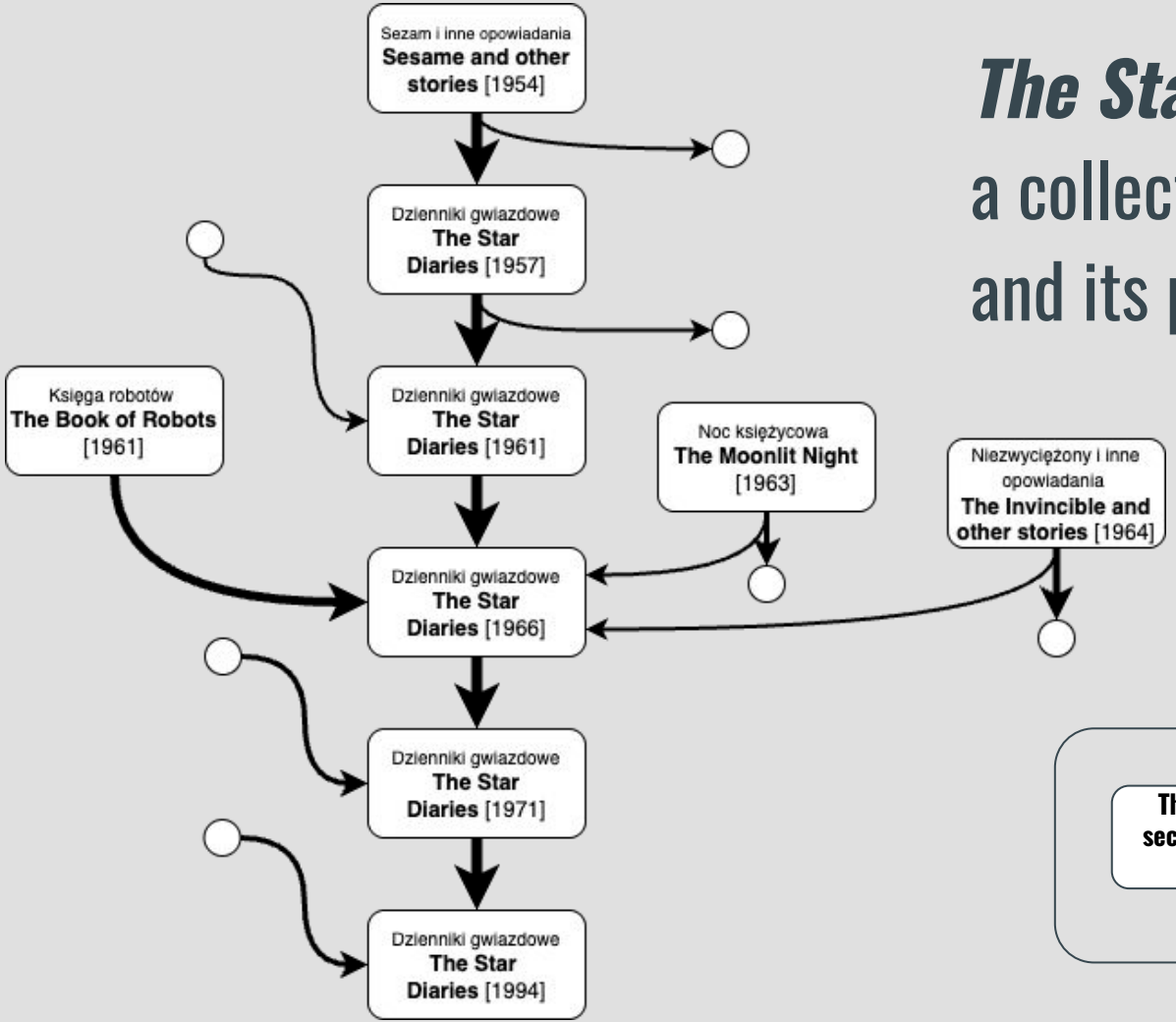
Mortal Engines

The Truth and Other Stories

Summa Technologiae

Tales of Pirx the Pilot

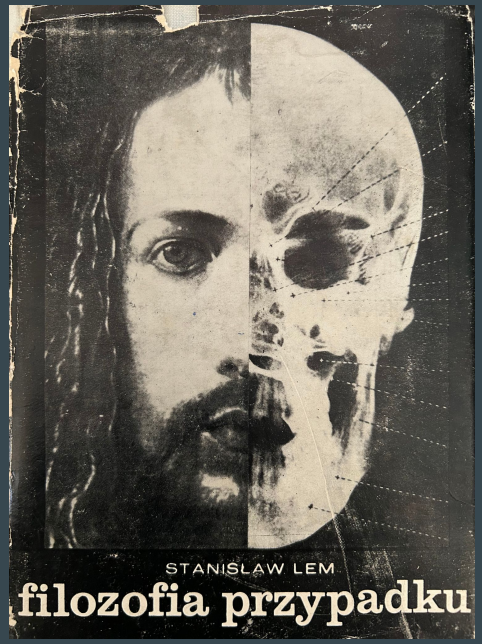
Imaginary Magnitude



The Star Diaries

a collection of short stories and its problematic content

The Twenty-second Voyage POL ≠ **The Twenty-second Voyage ENG**



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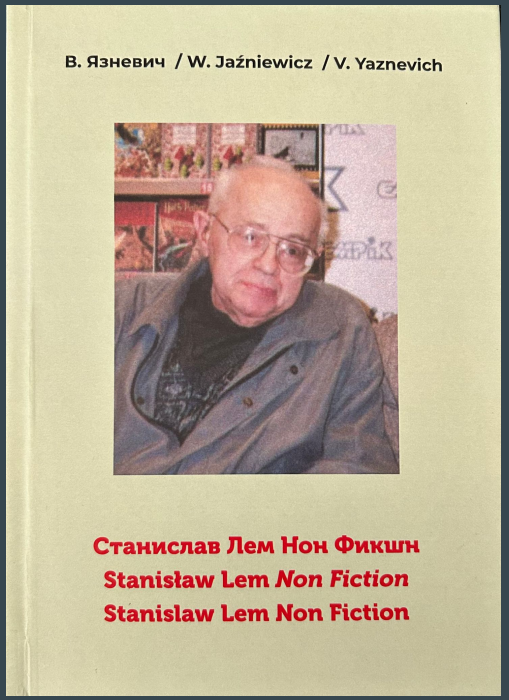
Philosophy of Chance
1st edition, 1968

Philosophy of Chance
4th edition, 1997

Victor Yaznevich (1957)



Stanislaw Lem. Non Fiction

The LKG Project

Objectives:

- integrate information about Lem’s publications scattered across several databases
- create a knowledge graph based on widely used standards
- provide institutional support for the knowledge graph

The LKG Project

LKG.core

Yaznevich's databases

Borisov's database

The Lem Encyclopedia

...

LKG.letters

Lem's letters (c.a. 20k)

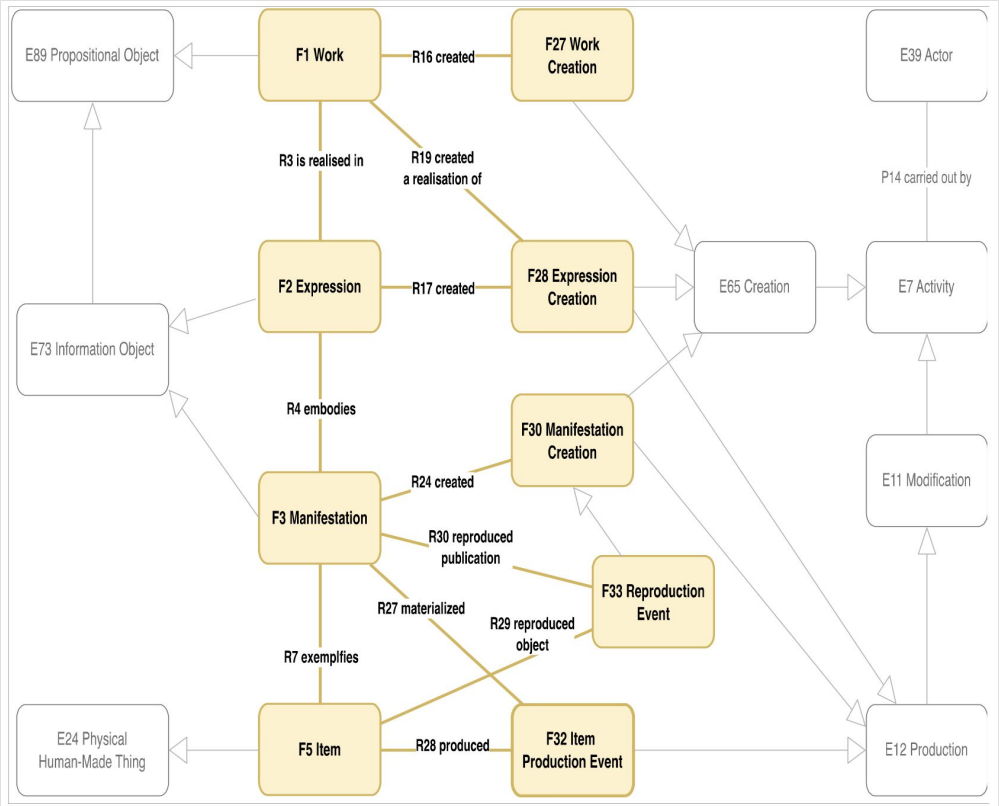
- published
- unpublished

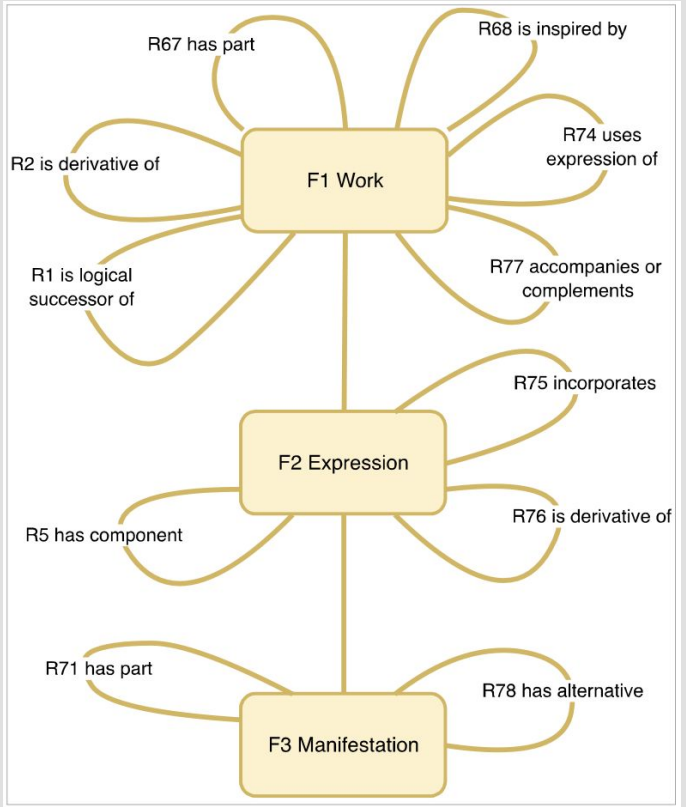
LKG.content

Fictional characters, places, institutions, inventions, discoveries, technologies, themes, events

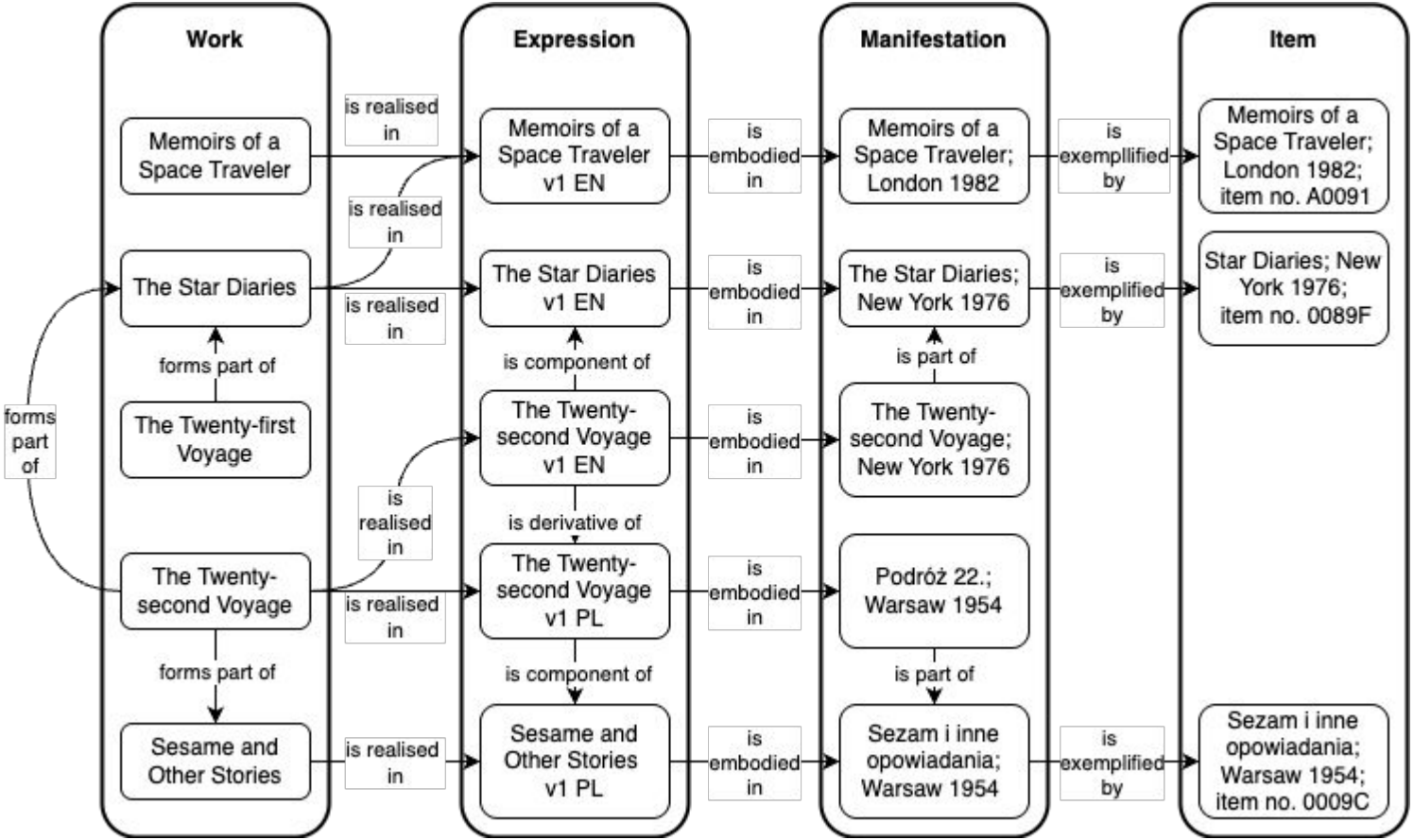
The LKG Project

LRMoo





LRMoo: object-oriented definition and mapping from the IFLA Library Reference Model. IFLA LRMoo Working Group (2024). https://cidoc-crm.org/sites/default/files/LRMoo_V1.0.pdf, pp. 6-7


Work
Expression
Manifestation
Item
Memoirs of a Space Traveler
The Star Diaries
The Twenty-first Voyage
The Twenty-second Voyage
Sesame and Other Stories
is realised in
forms part of
forms part of
Memoirs of a Space Traveler v1 EN
The Star Diaries v1 EN
The Twenty-second Voyage v1 EN
The Twenty-second Voyage v1 PL
Sesame and Other Stories v1 PL
is component of
is derivative of
is embodied in
Memoirs of a Space Traveler; London 1982
The Star Diaries; New York 1976
The Twenty-second Voyage; New York 1976
Podróż 22.; Warsaw 1954
Sezam i inne opowiadania; Warsaw 1954
is part of
is exemplified by
Memoirs of a Space Traveler; London 1982; item no. A0091
Star Diaries; New York 1976; item no. 0089F
Sezam i inne opowiadania; Warsaw 1954; item no. 0009C