

Transversal Task 2: Ethics of Digital DIY

Vincent C. Müller &

Alexandre Erler

Anatolia College / ACT

www.sophia.de

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Politecnico di Milano – Bovisa Campus

1. Ethical Issues of Digital DIY
 - a. Risks
 - b. Social Impact
 - c. Legal
2. Sample Technologies*
(not: WP or Issues or Theory)
3. Work Plan
4. What We Need from You

Overview

1.1. Risks

1.1.1. Weapons

1.1.1.1. Gun control more difficult ('Social contract')

1.1.1.2. Terrorism etc.

1.1.2. Pathogens

1.1.2.1. Synthetic biology

1.1.2.2. Biohackers

1.1.3. New substances (some illegal)

1.1.4. Yet another digital divide

1.1.5. Dissolution of current ethical values

1.2 Social Impact (Losers & Winners)

1.2.1. Job market

1.2.1.1. Contribution to technological unemployment?

1.2.1.2. Possibilities for workers to move into new sectors?

1.2.2. Shifting production to users, locally

1.2.2.1. Change in distribution chains

1.2.2.2. Boost to local economies

1.2.3. Shifting production to custom-made

1.2.3.1. Enabling design and production

1.2.3.2. Losses in mass production industry

1.2.3.3. Custom luxury

1.2.3.4. Re-shaping social expectations (everything should be custom-made)

1.2.4. Environmental impact & health impact

1.3. Legal

1.3.1. Liability, responsibility

1.3.1.1. Product liability

1.3.1.2. Consumer relations

1.3.1.3. “Buyer beware” and “maker beware”

1.3.2. Intellectual Property Rights

1.3.2.1. Patent & design rights

1.3.2.2. Copyright, Trademarks, ‘trade dress’

1.3.2.3. Counterfeit goods and banknotes

1.3.3. Economic & Social Sustainability

1.3.3.1. Freedom of information vs. designer income

1.3.4. Justice

1.3.4.1 Intrinsic moral importance of property rights (not just consequentialist)



2. Sample DiDIY technologies

2.1. Weapons

2.1.1. Guns

2.1.2. Drones

2.2. Pathogens

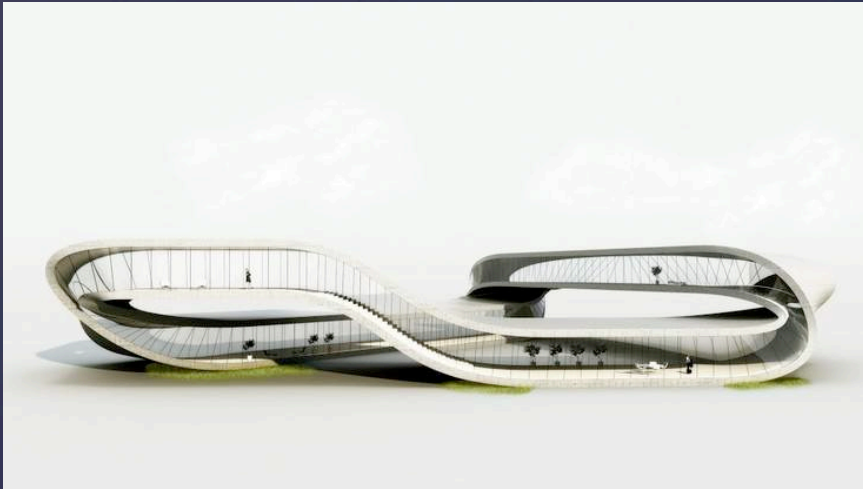
2.3. Synthetic biology &
biohacking

2.3.1. Substances (milk, heroin,
drugs, ...)

2.2.1. Organ Printing



2. Sample DiDIY technologies



2.4. Spare parts

2.5. Clothing

2.6. Food

2.7. "Makers"

2.8. DIY AI

2.9. Large-scale 3D printing

2.9.1. buildings, vehicles, ...

3. Work Plan (I)

Timeframe	Month	Work Package	Tasks	Deliverables
July – December 2015	7-12	WP8: Dissemination and roadmap	8.7	
	(12)	WP8		D.8.6 Policy factsheets, 1 st version
December 2015 – June 2016	12-18	WP3: Organisation and work	3.6, 3.7 4.1-6	
		WP4: Education and research		
March 2015 – June 2016	15-18	WP5: Creative Society	5.5 6.4	
		WP6: Impact of DiDIY on laws, rights and responsibilities	8.7	
	(18)	WP8		D.8.9 Policy factsheets, 2 nd version
June – October 2016	18-22	WP3	3.6, 3.7	
		WP4	4.1-6	
		WP5	5.5	
		WP6	6.4	

3. Work Plan (II)

November – December 2016	23-24	WP4 WP5 WP6 WP8	4.1-6 5.5 6.4 8.7	
	24	WP3		D.3.3 Report: "Ethical issues and work"
	24	WP4		D.4.6 Report: "Ethical issues in education and research"
	24	WP6		D 6.2 Report: "Ethical impact for regulation"
	(24)	WP8		D.8.10 Policy factsheets, 3 rd version
January – February 2017	25-26	WP5 WP6	5.5 6.4	
	26	WP5		D.5.6 Report: "Institutions and creative DiDIY"
March – June 2017	27-30	WP5 WP6 WP8	5.5 6.4 8.7	
	(30)	WP8		D.8.12 Policy factsheets, 4 th version

- 4.1. Information about on-going or upcoming DiDIY directions
- 4.2. Where are we in the hype cycle?
- 4.3. Legal issues and sources
- 4.4. Problems you see but we don't
- 4.5. Problems we see but you don't

4. We need

Thank You!

