

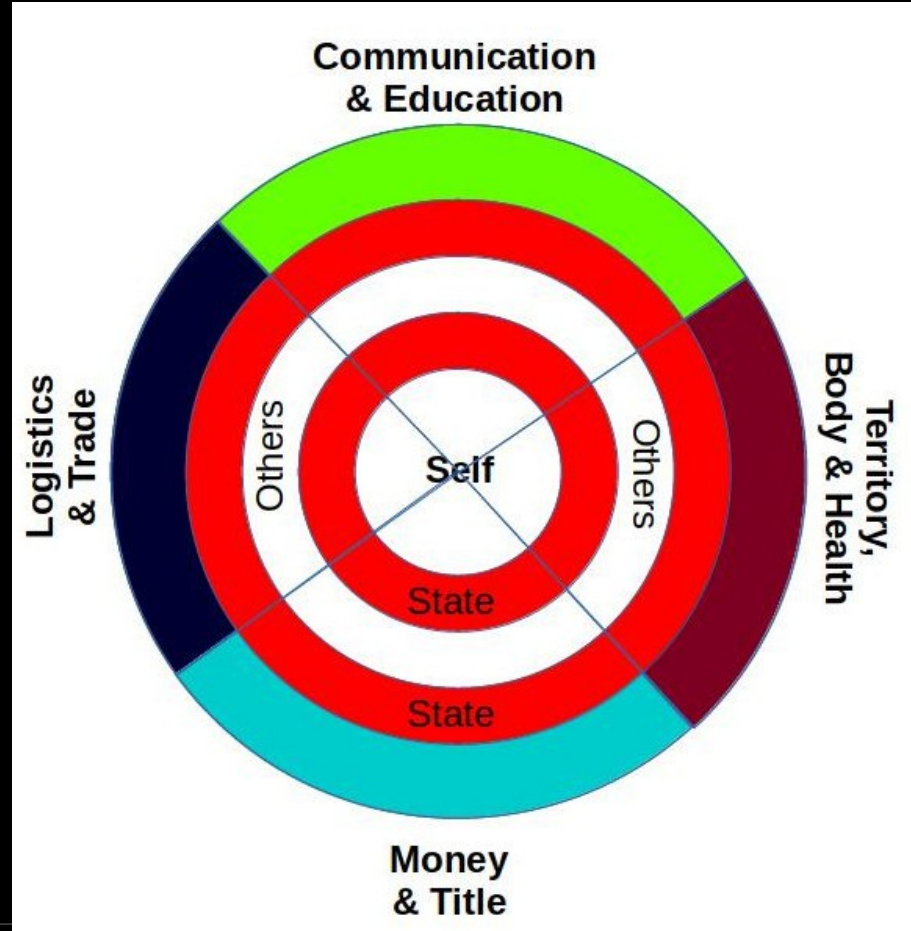
# BLACK MARKET LOGISTICS

\*circumventing the state is the solution  
to all its flaws

---

Jonathan “smuggler” Logan

# Why Logistics?



# Goals

---

- Celebrate the creativity of entrepreneurs
- Realistic perception of possibilities
- Inspire to innovate
- Grasp the potential of systematic application

- Context & Key Factors
- Classical Methods
- Main Threats
- Future Technology

\*educational only, no advice, consult your lawyer etc

# Logistics: Definition

The management of the flow of resources from the point of origin to the point of consumption according to the requirements of customer and merchant...

Black Market Logistics: ..., in a hostile environment of interception and manipulation.

# Logistics: Key factors

- Reliability: Defined quantity, quality, time, location.
- Cost: High “unit loads” for maximum units per distance (lower per-unit cost). Hub&Spoke.
- Hostile Environments: Probability of Detection, Cost of Intercept.

“Smuggling”: Military, Intelligence, Anti-Piracy, PPE/Medical, Anti-Totalitarian-States

# Cost of Intercept

---

- People
  - Goods
  - Equipment
- Goods & Equipment optimization: “Ant” networks. Burn stupid people.
  - Goods & People optimization: Technology

# Current methods: Air

---

- Drops
- Buckets
- Cut Out/Break Out
- Ultralights

# Current methods: Land

- Concealment
  - Hidden compartment cars (illegal!!!)
- Relabeling
- Switching
- Rerouting (by hacker)
- Rip-on/Rip-off (plus hackers)



# Rip-on/Rip-off



# Current Methods: Land

- Tunnels
- Trucks/Trailers
- Catapults
- Ramps



# Current methods: Sea

- Yachts
- Drop-off/Drop-on
- (Semi-)Submersibles
- Go-Fast Boats
- Drags/Parasites

# Drop-off



# Semi-Subs

---



# Go-Fast



# Go-Fast 2...



# Drags/Parasites





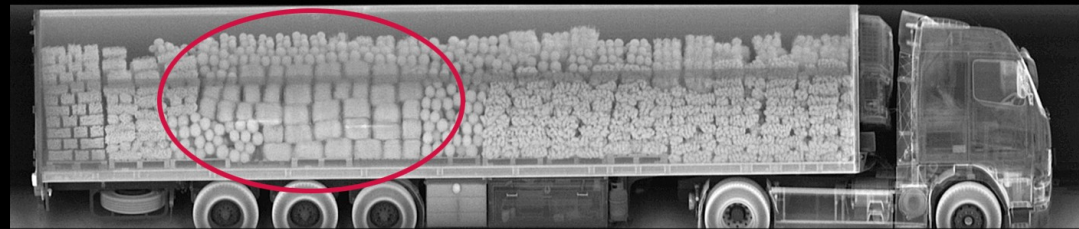
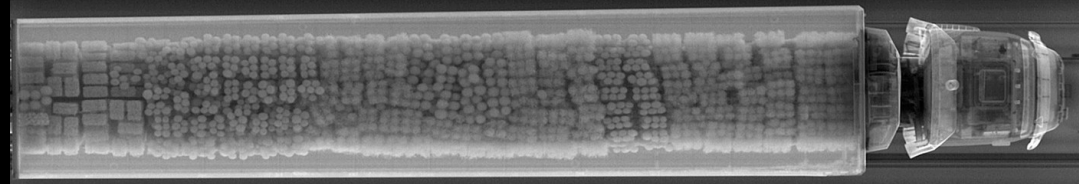
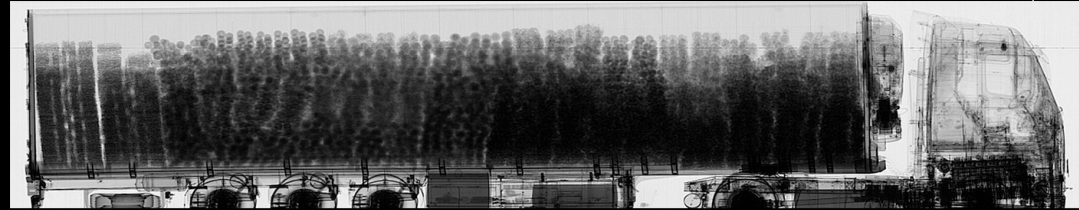
# Risks: Postal System

- Recipient anonymity hard to accomplish
- Fingerprint/Parcel ID
- Heat-Mapping
- Surveillance
- Priors

“Our fingerprint technology makes use of the fact that no two mail pieces or parcels look exactly alike. Optical characteristics such as surfaces, stamps and logos are recorded, along with the mail piece’s size, volume and weight. The image-based identification technology thus recognizes a mail piece or parcel throughout the entire process chain. The image can be used for in-hub and cross-border tracking, as well as for third-party parcel tracking.” - Siemens

# Risks... This is going totally digital

- X-Ray/Backscatter + AI/ML
- Dogs
- Tracking: AIS, ADS-B + AI/ML
- Pick-up surveillance/Trackers
- Body language
- Route “heat” + AI/ML
- Infiltration + Digital Intercept  
Phantomsecure, Encrochat...



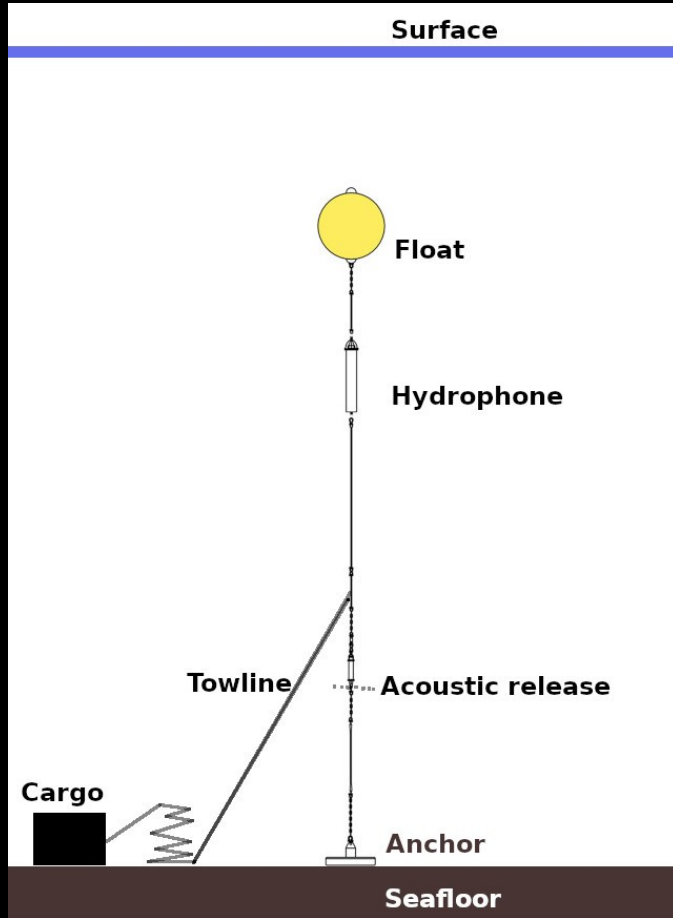
# FUTURE: Last Mile

- Dropgangs
  - Dead drop
- Roving drops
- Drone drop
- Cryptocurrency+
  - Social media
  - Messengers
- Lower infiltration risk
- Lower tracking risk
- Less intelligence...
- But: New Surveillance Laws
- But: Anti-Drone, ALPR (cars...)
- Requires Tradecraft

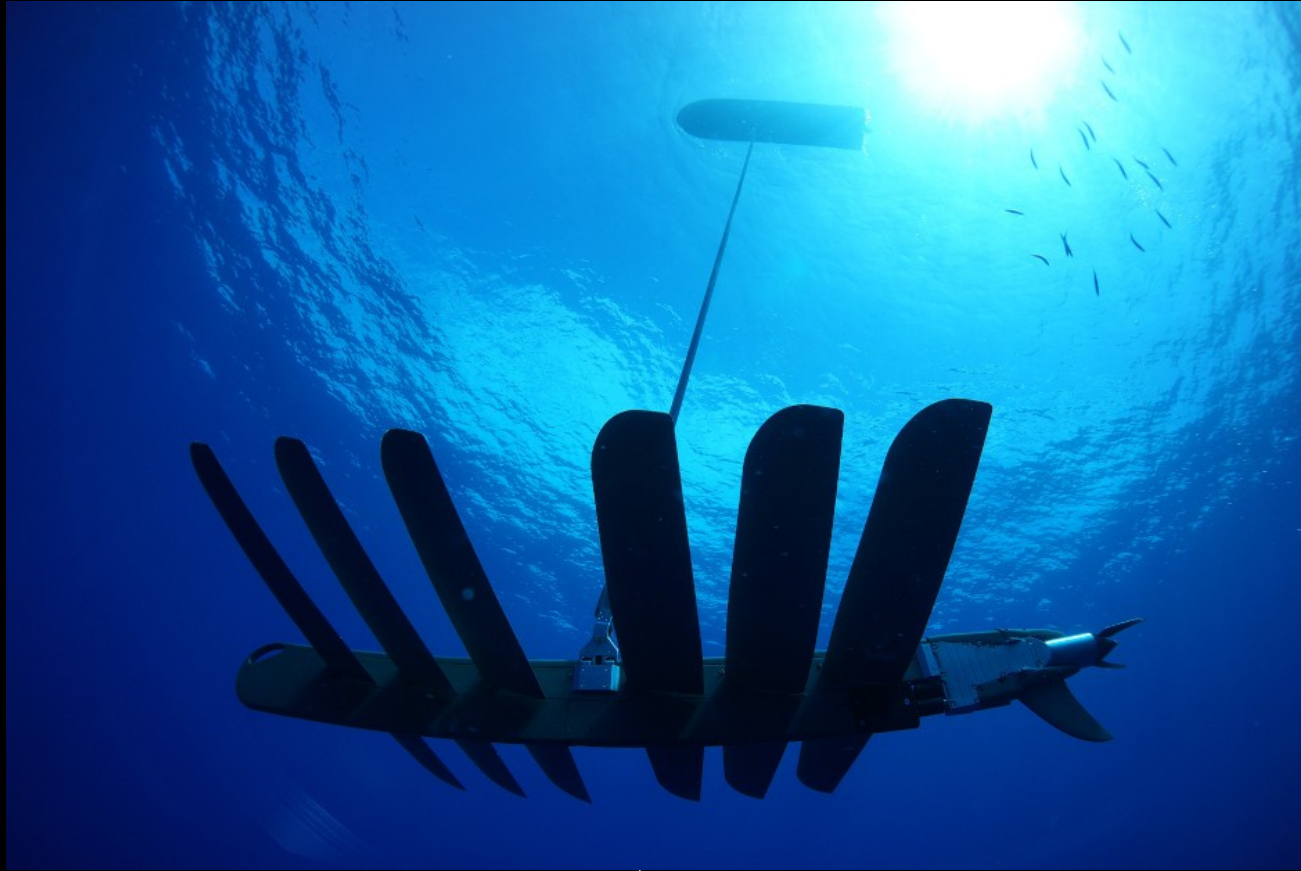
# FUTURE: Counter-Surveillance

- Tech-Augmented spotters (night vision etc)
- Track helicopters via ADB-S, ships via AIS
- ALPR around police stations and hot zones
- SDR/WiFi/BT tracking of police
- Drones as spotters

# FUTURE: Sea 1



# FUTURE: Sea 2

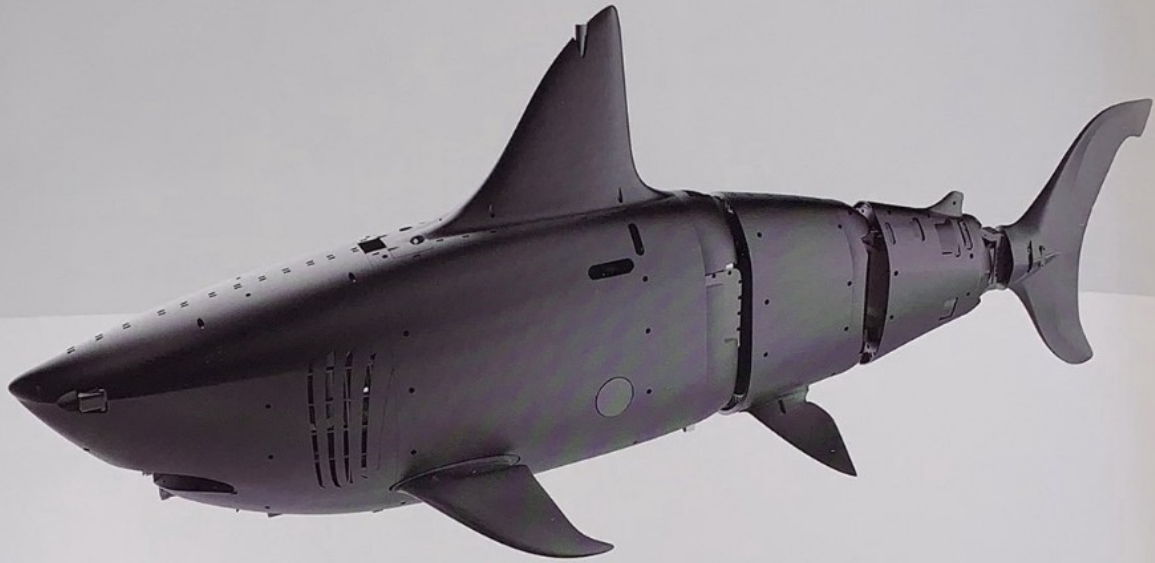


# FUTURE: Sea 3



# FUTURE: Sea 4

---





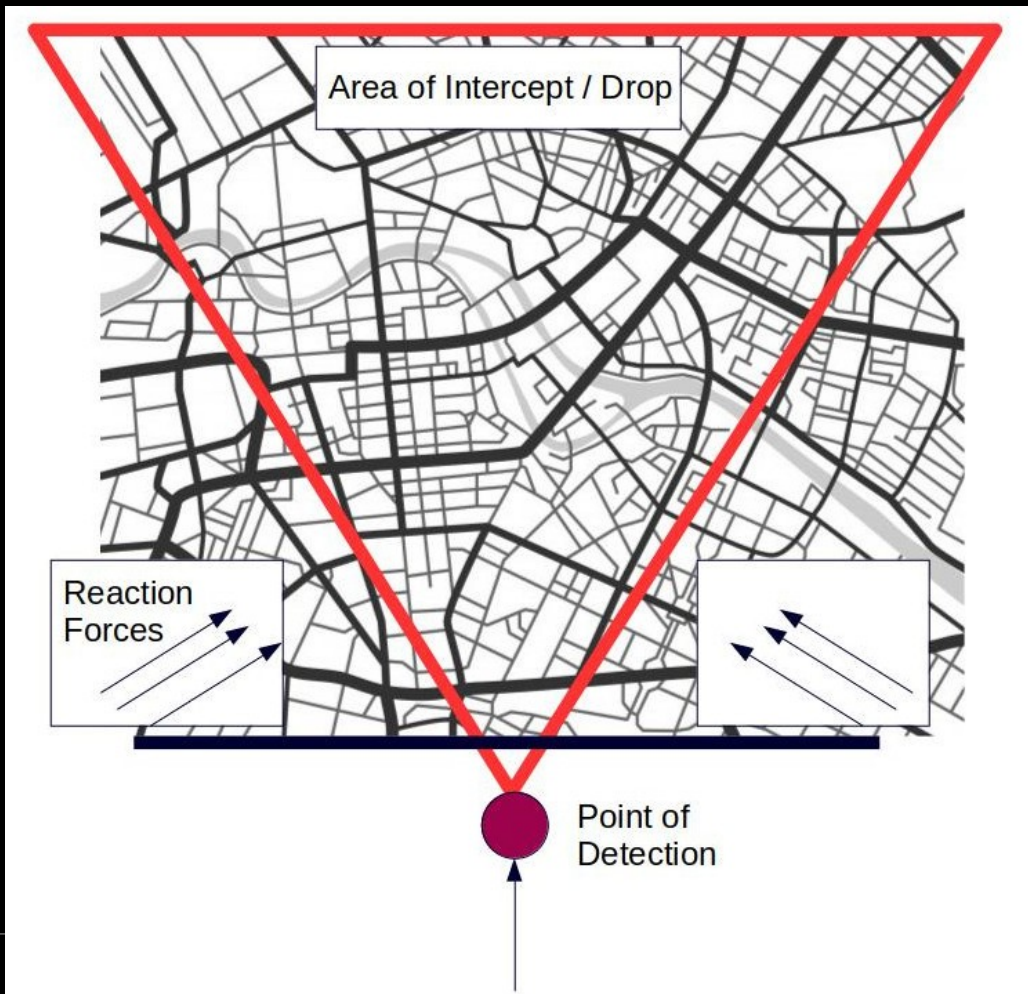
# FUTURE: Air 1



Maybe....

...or...

# FUTURE: Air 2 (Theory)



# FUTURE: Air 3



# FUTURE: Air 3 cont...



# Conclusion

---

- Battle between digitally augmented opponents
- More surveillance and control
- Smart wins
- Black market is an innovation center
- Borders might become meaningless

# Thank you

## Hackers and Smugglers unite!

- Find me at <https://opaque.link>
- Cypherpunk Bitstream Podcast

BTC Here ->

