

PARDA

The Rationale for a New Program of Investigating, Modeling and Predicting Hard-to-Observe and Deliberately-Concealed Sequences of Events

PARDA Group

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(Extended) Abstract

Certain sequences of events, particularly complex systemic developments involving discrete individual and/or organizational operatives, cannot usually be directly, consistently or accurately observed. Such difficulties in observation and consequent modeling are due to numerous factors including, paramount in significance, the natural and/or intentional concealment and degradation of information. Such actions often include the deliberate, programmed employment of disinformation tactics. The planning operations and the execution of secretive operations by military forces, terrorist cells, or individuals acting with sociopathic and criminal intent, all share elements in common that compete against the efforts of others who aim to forecast, predict and ultimately interdict such events. There are parallels in common with natural sequences such as processes that cannot be physically observed or otherwise cognitively monitored; many of the latter are addressed through a number of analytical and computational techniques including the use of inverse method models as well as statistics-based algorithms.

A methodology has been studied and refined for the purpose of employing such tools including inverse relational maps, abductive logics (including computational intelligence systems for such) and a number of nonlinear algorithms employed in pattern detection and classification. These methods and tools have been adapted for use in a human-intensive architecture for creating highly realistic, improvised, and unconventional plans for such concealed and secretive operations, the goal being to think and plan more accurately like those who are the target of any investigation and countermeasure operation.

The focus of research within the PARDA Group is directed to development of techniques to assist in prediction and early (advance) warning for events that, if executed, will create disruption of critical societal infrastructure systems (e.g., power, water, fuel, communication and meta-level networks such as public health and safety, finance and transportation) as well as direct injury and death in the form of terrorist actions and unspecified violence by individuals and/or groups. There can be deep-seated and often strongly-reinforced predispositions and expectations by modelers, simulators, and other investigators. Coupled with organizational and institutional assumptions, premises, and mandates, these restrictive forces often preclude the level of openness and heterodoxical thinking that will enable successful outcomes with the accuracy and timeliness required in order to prevent or mitigate the consequences of such attacks and threats.

For this reason there is value for a distinctively new program model to be employed in conducting investigations that may include the design and virtual execution of detailed simulations and models. Successful “thinking outside the box” can often be enhanced by “getting as far away as possible from the box” into a psychological and social environment conducive to thinking and realistic role-acting. Such actions can be performed with as close an alignment as possible to the real-world creative environment as experienced by actual designers, planners and perpetrators of such operations as terrorist attacks, paramilitary operations and larger-scale violent events. “PARDA” denotes Projects for Asymmetric Research and Disruptive Advances. Its design provides for a “special operations” research team to create radically innovative and “no-holds-barred” plans including technical and plan-execution details that will perform selected tasks and defeat all known and expected countermeasures, using a “secrets in the wide-open” working environment and conducting its work with strong independence and non-alignment with respect to other programs, institutions, and ways of thinking.

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(For the Main Body)

Key points:

Need to isolate the investigator(s)/modeler(s) virtually entirely.

They must think abductively, but not to throw away other logics.

Observation-from-the-inside-of-phenomenological-experience (roots in Goethe(***), Hegel, Husserl(**), Wittgenstein(**), Heidegger(**), Gadamer)

Pick the problem-space, and ask the investigative team (starting with the PI) to come up with 1-to-n models that will produce the specific outcomes, whether they are neg/pos, to break something or to build something (not only negatives like disasters, breakdowns, or violent/catastrophic outcomes, but often, yes, these will be the types for which the most critical answers/models are wanted).

The team must work in total independence from the “rest of world” (RoW) where RoW = those who have an agenda/mandate/mission/goal to do something with the results (stop a catastrophe or threat, etc.).

They only get together in pre-defined “summit-moments” , and in fact, the core I-Team may be kept totally isolated from the reviews and analyses in a manner to preserve their “independent train of thinking and acting.”

To the extent that the I-Team requires/wants access to information, people, places, etc. of any sort, they must go do that and find that Entirely On Their Own once they start the project. No special assistance or help! This also means that they must be able to not be disturbed in what they do. There must be obvious protocols to protect their process of investigation, and this may require simulation of something physical or informational (e.g., suppose the I-Team wants to put together a plan for hacking into a system, or for developing a plan for physically breaking into a nuclear power plant or radiology dept. at a hospital, or a chemical plant or warehouse, etc.

Thus, someone must be the I-Team DI – Discrete Interface. This person cannot be directly involved in the I-Team work because he or she will know too much and yet they must be able to interact to provide, for instance, simulated “real data or real access”.

Also:

Need to have a civilian and totally-disassociated-from-mil-def-intel-and-finance-commercial-typical-VC type of “ARPA” but given R&D and application directives from the govt. and industrial/commercial sectors.

How it is run? Not so dissimilar in ways from the original ARPA/DARPA. Not as DARPA (and its clones – IARPA, HSARPA, EARPA, BARDA) are run presently!

This fits within IIS as a program, but the main thing is to get the concept and plan “sold” to some organization, private or public, and to let them be the sponsor and indeed “owner”.

Material to use in the ABSTR or the Preface/Intro

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To address, solve and protect Civilization from the Dangers of the CADUN, we need to engage in ANLINA MUTTI, and in order to work effectively with ANLINA MUTTI, we need to create and sustain the proper environment, and that is PARDA

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In greater detail now:

CADUN

The Eight CADUN (Critical Areas of Developmental Urgent Need)

These are eight areas where work is desperately needed, where that work must involve multiple talents in multiple companies and institutions in multiple nations, where the practice of cooperation and collaboration and putting the greatest needs of the greater whole ahead of everything else is absolutely critical, and where development of commercializable, large-scale, large-population outreach through products and services is absolutely imperative.

These Eight CADUN are specific target areas within these Four Broad Domains:

Energy Environment Health Security

A Claim is Asserted Here Most Strongly and Emphatically:

If these eight CADUN are not addressed satisfactorily within the next twenty years, then it is not an “if” but a definite that millions and even billions of people will likely perish, and civilization, both as we know it and permanently, in any form, with any human culture, could and most likely will be terminated.

This is not a speculative hypothesis or an empty threat. This is plain fact. Open your eyes.

The term, “ETA” can also be understood in the context of the eight CADUN – each has some significant “ETA” --- an Estimated Time of Arrival – or rather, an estimated time when things will be too late to do anything about the problem if we do not act Now. This may be rewritten as Estimated Time of Arch-Effect – a mega-effect that stands out far beyond other similarities.

(Twenty Seed Projects have been proposed for addressing these eight CADUNs. Not all of these projects can be undertaken or managed solely through the Institute and the Ecoduna Foundation. Some, however, are particularly well-suited because of prior work, relationships, and synchronization among different individuals already associated together within IIS and ECOAD, for being very successfully addressed.)

CADUN #1

Multi-variant influenza - global pandemic --- next flu season, Winter 2014-2015

Somewhat prepared: China, Singapore, Vietnam

Very unprepared: USA

Generally unprepared: Rest of World

Most intensive negative effects and consequences: USA, Africa, Middle East, South Asia

ETA: @ 2015-2018

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CADUN #2

Major “category 6” typhoon or hurricane – any appropriate season, every year, increasingly stronger

Mostlikely target: SE USA or SE Asia

Global state of preparation: Poor

Most intensive negative effects and consequences: USA, Philippines, SE Asia, China

ETA: @ 2015-2020

CADUN # 3

Major natural EMP (Electromagnetic Pulse) – anytime, and in fact, very long overdue

Mostlikely target: anywhere, ranging from radius of a few hundred km to being virtually planet-wide

Global state of preparation: Very Poor

Most intensive negative effects and consequences: USA

ETA: @ 2014-2030

CADUN #4

Development of large-scale measures to address sea-coastal flooding of highly urbanized areas

Area of greatest need: worldwide

Global state of preparation: Poor

Most intensive negative effects and consequences: India, Bangladesh, USA, Asia-Pac

ETA: @ 2024-2040

CADUN #5

Emergent new major infectious diseases from either permafrost release or extraterrestrial origin

Mostlikely target: worldwide

Global state of preparation: Poor

Most intensive negative effects and consequences: Africa, SW-South-SE Asia, USA

ETA: @ 2018-2040

CADUN #6

Sustainable long-term non-fossil-fuel energy development

Area of greatest need: worldwide

Global state of preparation: Poor

Most intensive negative effects and consequences: Africa, SW-South-SE Asia, USA

ETA: @ 2020-2040

CADUN #7

Reduction of global human population growth

Area of greatest need: Africa, India, China, Indonesia, USA, Brazil

Global state of preparation: Poor

Most intensive negative effects and consequences: Africa, SW-South-SE Asia, South America

ETA: @ 2020-2040

CADUN #8

Major asteroid collision, Anytime, with one worrisome known mega-destroyer possible in April, 2036

Very unprepared: Entire World

Most intensive negative effects and consequences: Entire World

ETA: @ 2014-2036

ANLINA MUTTI

Asymmetric Non-Linear Improvised Non-Aligned (Anlina)

and Independent Modeling of Unsupervised Terrorist Tactics (Imutt → Mutti)

Examples: some of the projects like the one that had been done for DARPA @ 1999-2000 (when the program wrapped up), and things like Operation Al-Muqaddim, PALLAS, NomadEyes, JEDI, BOTXP, & Ain al Muhaymin.

Here is my List of Eight Suggested Projects. Example: MD is the “PI”/“PM” (principal investigator; project manager-director), reporting to Whomever is paying us, and making use of Whomever the PI chooses to use, within their general budget constraints, but probably 9 out of 10 persons will be people whom one would never imagine to be working on such projects the way that they are mis-managed and mis-run these days. In fact, the whole essence of “Anlina Mutti” is that Nobody interacts (interferes) until we reach certain “way points” in our work, and then the work, through mostly myself (and perhaps 1 or 2 others) presents results, interacts, and we go from there to the next “way point.”

FORMAT:

Project ID, name and brief one-sentence description.

In each case, I and the team that I build (starting with a team of 1 – namely, myself alone) will deliver Phase 1 and then Phase 2 of this, and each can be described in a quadchart and “white paper.”

In each case, we think, analyze, synthesize, invent, create, model, argue, defend, propose, and explain everything from the perspective of The Bad Guys, in order to provide a better way for The Good Guys to do more intelligent countermeasures, first and foremost being early detection and prevention.

(1) PRED (Passive Radiation Exposure Device)

(This always has a history through me with CIA, DTRA, Germany, UK, Israel, but mostly ignored, no surprise, by DHS.)

We will design PREDs and the tactics for their use against Europeans and Americans in their cities and infrastructures.

(2) LSWARD (Low-strength Wide-Area Radiation Device)

(Also a bit of a prior history with the same orgs.)

We will design an LSWARD such as can be built today buy ISIS using the modest and impure quantities of U and other radioactive materials that they do possess.

(3) EMP-I and EMP-II (Electromagnetic Pulse)

(Ditto)

We will model a natural EMP (EMP-I; solar origin, for instance) and a man-made EMP (EMP-II; from North Korea, as they have already been simulating and experimenting with – talk w me about CIA Director Jim Woolsey wrt this), and we will model the social breakdown consequences and the merits of an AMERGE (see the website, <http://amerge.tdyn.org>) to counter such a breakdown and to provide community-based medical and psychological resilience and sustainability.

(4) CASCID (Cascading Critical Infrastructure Disruption)

(Ditto)

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We will create plans for perpetrating such attacks, focusing upon electric power, gas, oil and water networks in dense mega-metropolitan regions of the continental USA.

(5) NONEXT (Non-explosive Terrakts) [“Terrakt” = Euro term for “terroist action”]

We will design several “brilliantly demonic” ones that are mainly intended for social disruption and triggering Collective PTSD within the civilian populations, leading to events that will make post-Katrina New Orleans and Ferguson, MO look like “hiccups.”

(6) RATS (Reactive Attacks and Threats to Society)

We will design attacks of different types that will be for use concurrently with other major disasters and problems, such as major hurricanes, tornadoes, earthquakes, forest fires, floods, or social disruptions caused by other factors.

(7) CPTSD (Collective PTSD)

We will go into depth on what to expect in such developments, with a focus upon long-term and wide-area sequences of events such as may be expected as a result of a major pandemic or EMP.

(8) EWPIAB (Early Warning Identification, Prediction and Intervention of Aggressive Behavior)

We will analyze and critique what others have done in these areas, find their weaknesses, exploit them, and design countermeasures to be employed by the persons or groups that are planning aggressive and generally violent, WMD-effect actions (e.g., individual shooters/bombers, or organized ISIS-in-America jihadists) with a goal toward perfecting better methods for circumventing such countermeasures and thereby preventing such actions from taking place or having as much deadly and disruptive effect as the perpetrators will have planned.

That's enough for a few years and a few \$Million regularly to sustain everyone involved and all the Work. I am absolutely serious. This will bring in the Right Persons for the Institute and the Companies. WE must be recognized for what we can do, are doing, and will do as PARDA with ANLINA MUTTI to solve various CADUN, and then we will have everything imaginable that we could want in the manner of capital, open doors, markets, friends, and benefactors.

PARDA

PARDA is analogous in some respects to different aspects of all of the following:

ARPA, then renamed to DARPA, then follow-ons including IARPA, HSARPA, EARPA, BARDA
ARDA, then renamed to DTO

But it is different.

It has independence, “non-alignment” organizationally speaking.

It is not a branch of any government department.

It is primarily a “Special Operations Team” focused upon science-tech-engineering-maths-arts and “intelligence” in all of that word's meanings and uses

Projects for Asymmetric Research and Disruptive Advances

It is a set of teams engaged in multiple Projects. It does not “award” contracts or grants to others in academia or corporatrivia to work on different projects according to various RFPs and BAAs.

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Rather, PARDA does different projects. The PARDA team organizes, composes, structures itself to take on tasks that are in different degrees and manners specified and given as charters, as tasks. Then that team goes and works on it, with extraordinary and extreme independence, isolation, non-alignment, free of many influences and expectations, and - of particular importance for the success of each such project – free of the influences of shared perceptions, “insider knowledge” and phenomenological predispositions.

PARDA works on projects like those described above as “ANLINA MUTTI” and thereby addressing one or more of the eight CADUN.

PARDA produces its work and delivers it to its sponsors, clients, customers, who are mainly government agencies and departments engaged in what is broadly termed, “defense and intelligence”, but also for private-sector clients, who are mainly corporations and non-governmental institutions.

PARDA is essentially an Intelligence Community Think-Tank and Research Lab that takes on extreme problems, works on them in strict independence, freedom and non-interference, and delivers the results with explanations and arguments for and against various conclusions, methods, and solutions.

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