# Look, Doodle , Draw: visuals for teaching and learning

ISS Fellowship 2015
Nancy White
Full Circle Associates
http://www.fullcirc.com
Hosted by International Specialised Skills Institute and Chisholm Institute

# Special Thanks to my Fellowship Hosts

The Chisholm Professional Educator College.

- *The Professional Educator College "values educators who value learners“ and was established to assist all educators within the VET sector to improve their skills and knowledge to be the best educators they can while maintaining their "Professional Currency".*

The Institute for Specialised Skills Fellowship http://www.issinstitute.org.au/

Knowledge Management Leadership Forum http://www.meetup.com/Melbourne-KMLF/

eWorks http://eworks.edu.au/

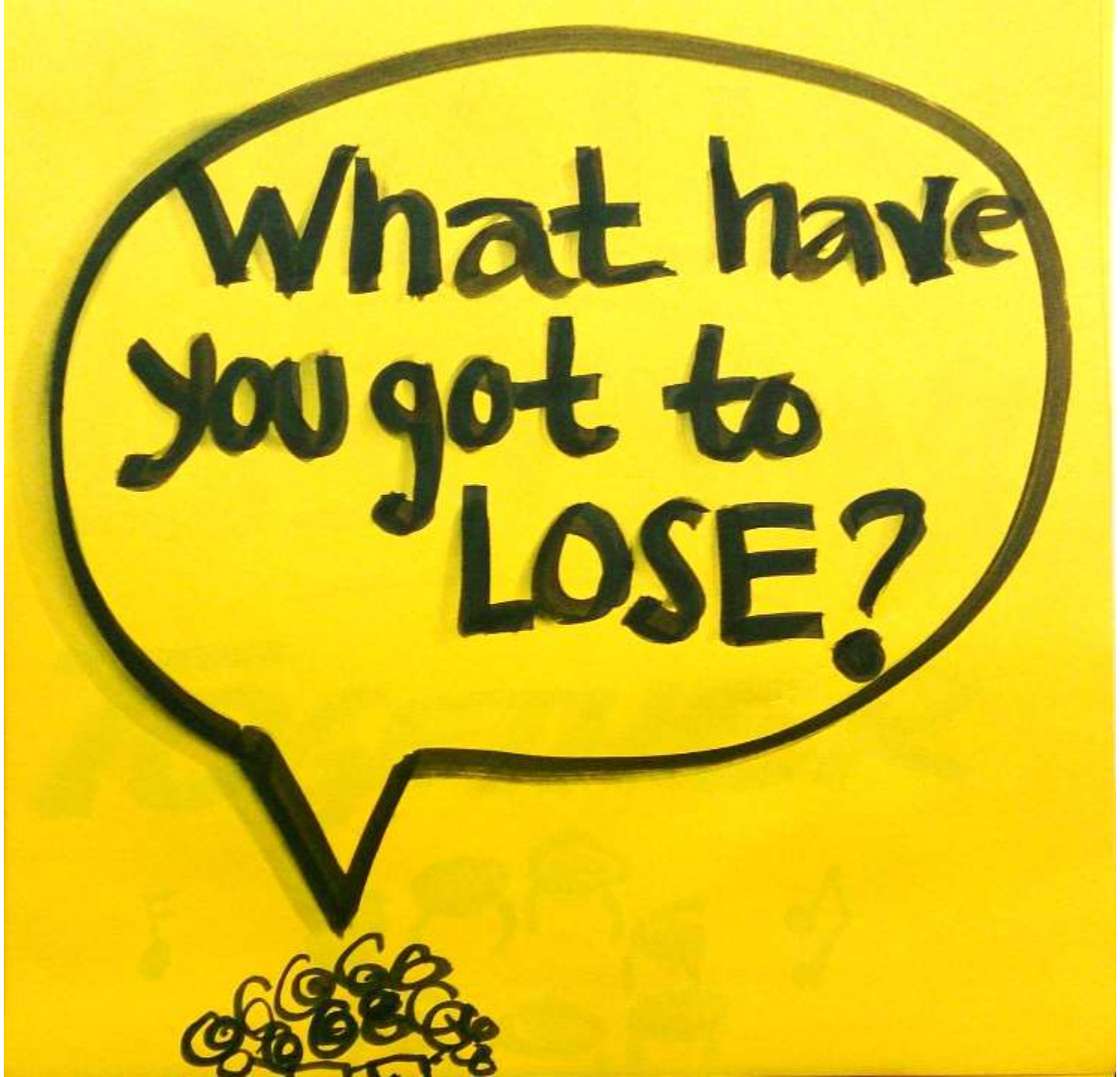
Special thanks to my “home” hosts:

- *Brad Beach and Family, Arthur Shelley and Family, Patricia Rogers and Family*

# Welcome to Look, Doodle, Draw
# Visuals for teaching and learning

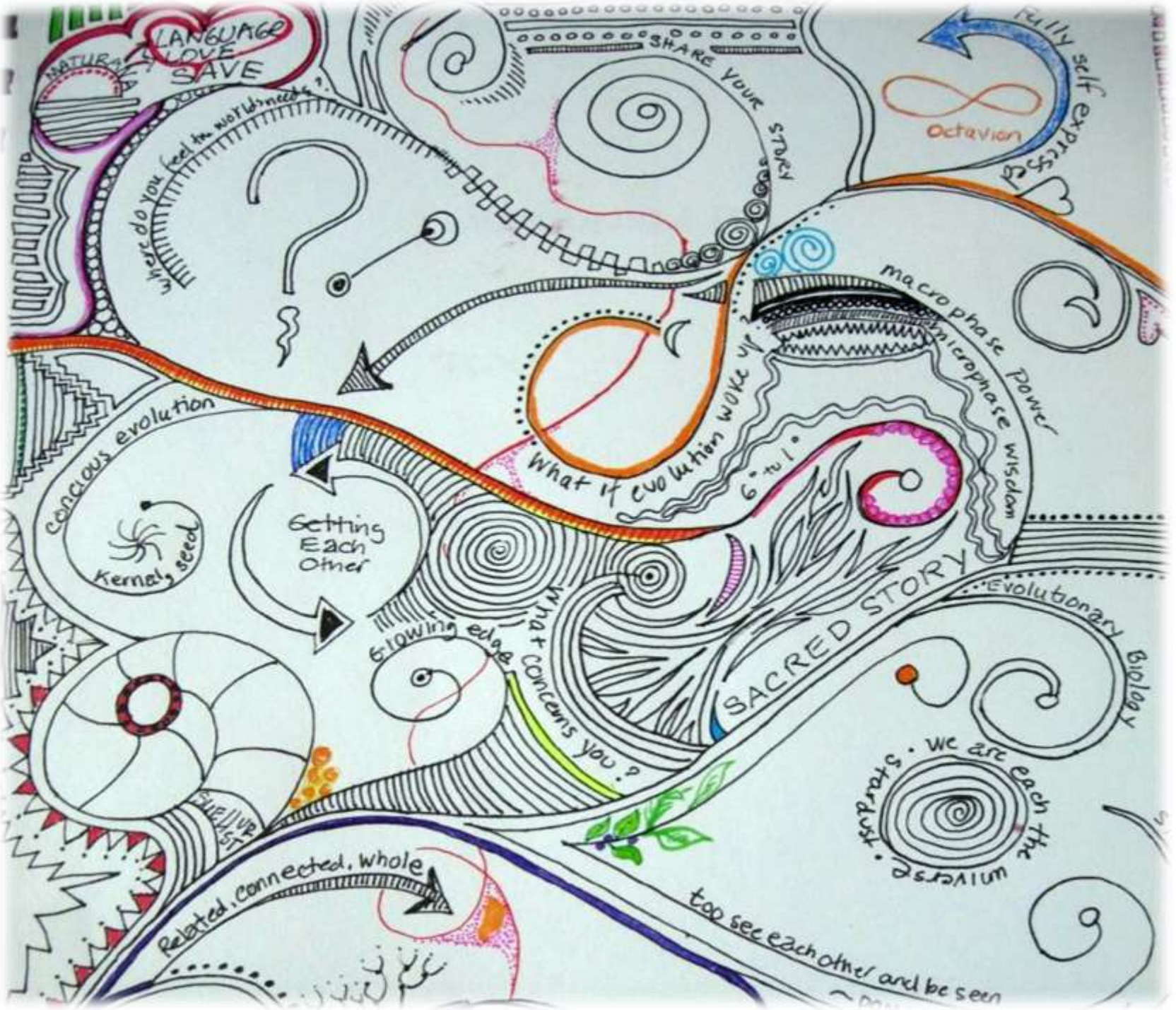
- This deck is provided to you to complement your workshop experience.
- Note additional content in the notes area of some slides!
- These resources are shared in the spirit of openness. Please feel free to use them with attribution.
- Pictures are either Nancy White's or Michelle Laurie's, are from public websites (links noted), are used with permission, or are Creative Commons Licensed.

# Introduction: why use visuals for learning?



It starts with me.
With you.

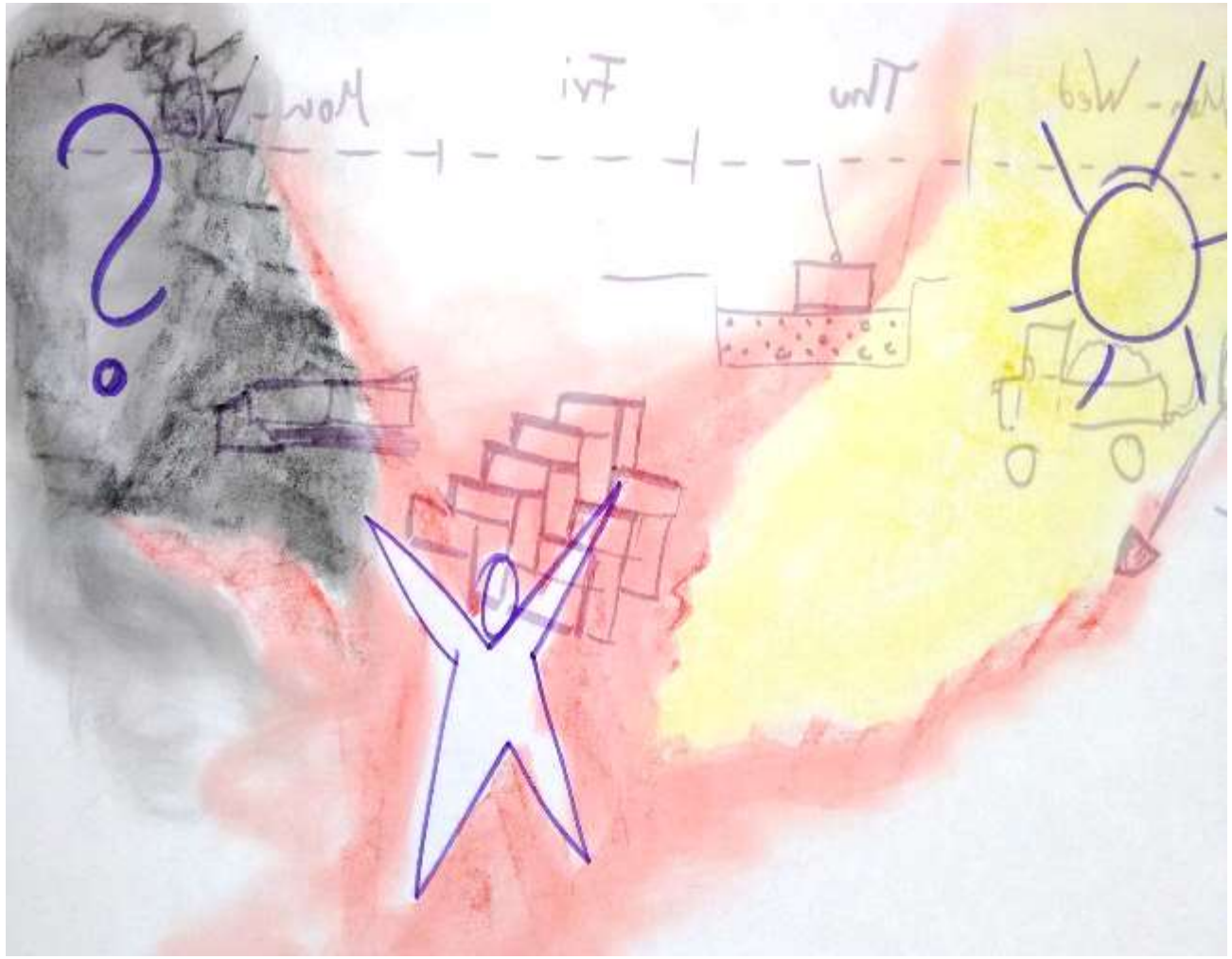
Doodling as a listening, thinking and reflective practice…



We can use images to help us establish context, make meaning and create memories to continue our experience…

…to invite storytelling

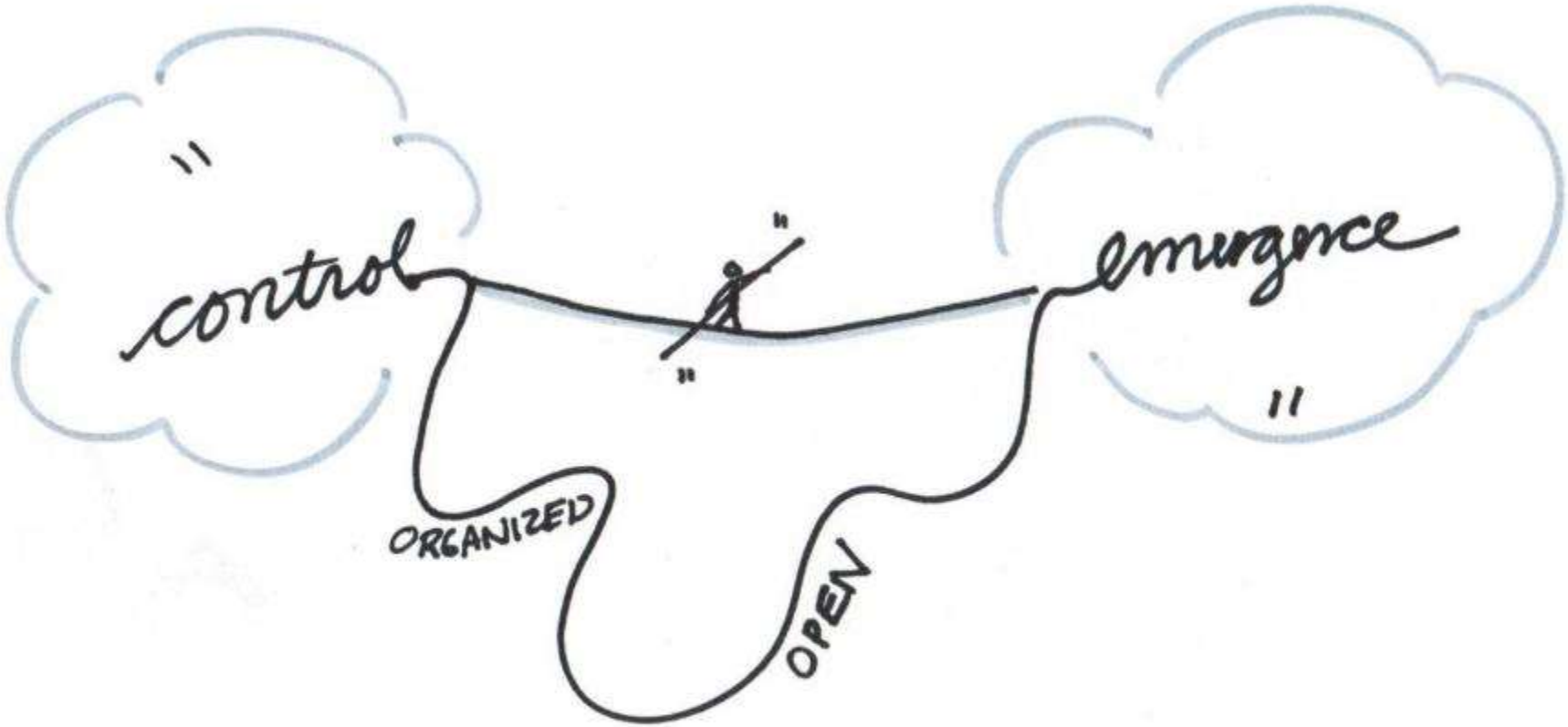
and meaning-making.



"I can't believe a group of people can come to a decision that is **NOT WRITTEN OUT** and displayed in a public way."

Sam Kaner

Images
are
somehow
more
NEGOTIABLE…




We can illustrate key ideas and leave “on the wall” to literally keep them in sight.

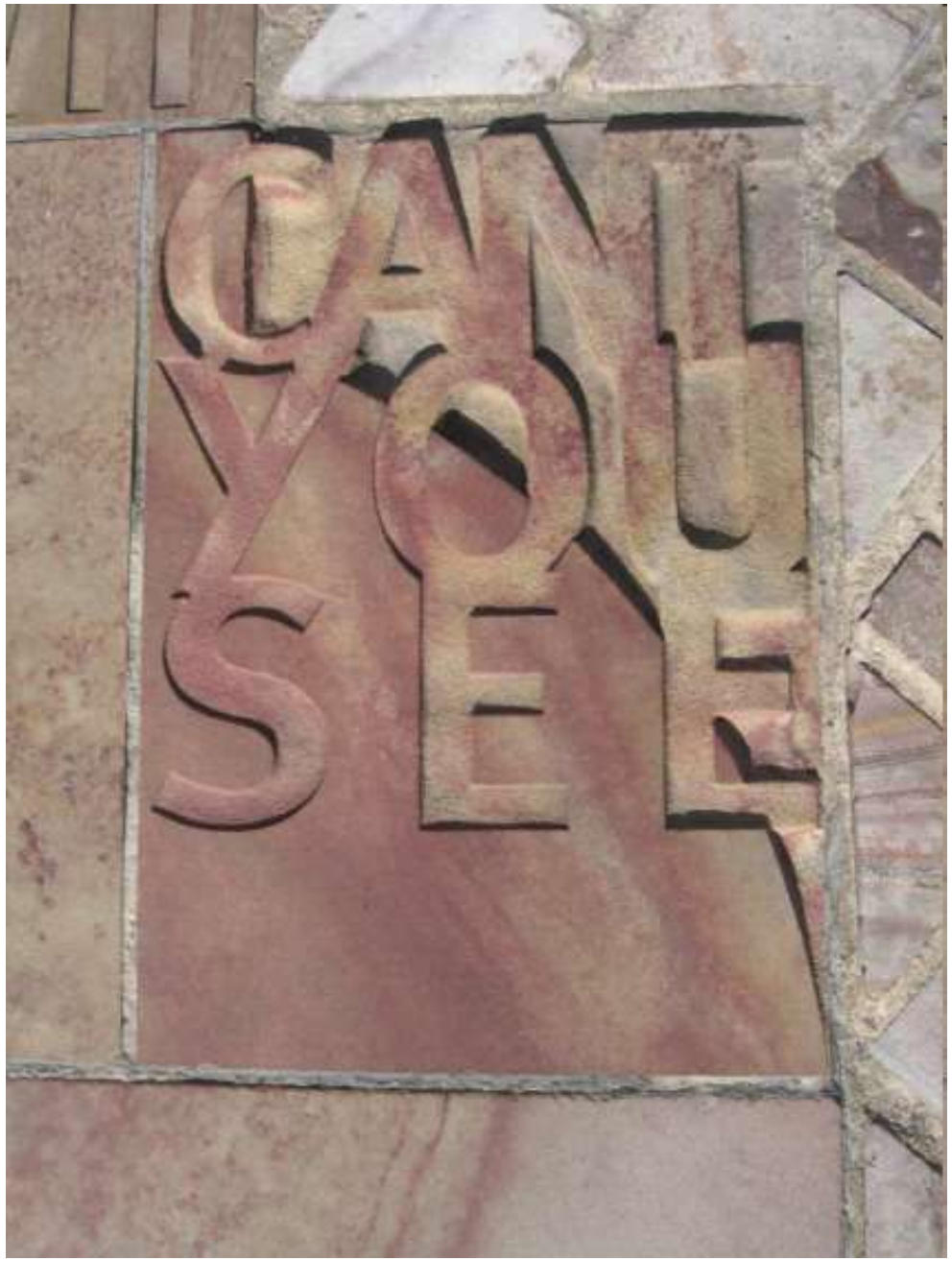
We can express and share our identity

# Visual Literacy: Basic Drawing Skills & Ideas

If we master a few basics, we can do many things…

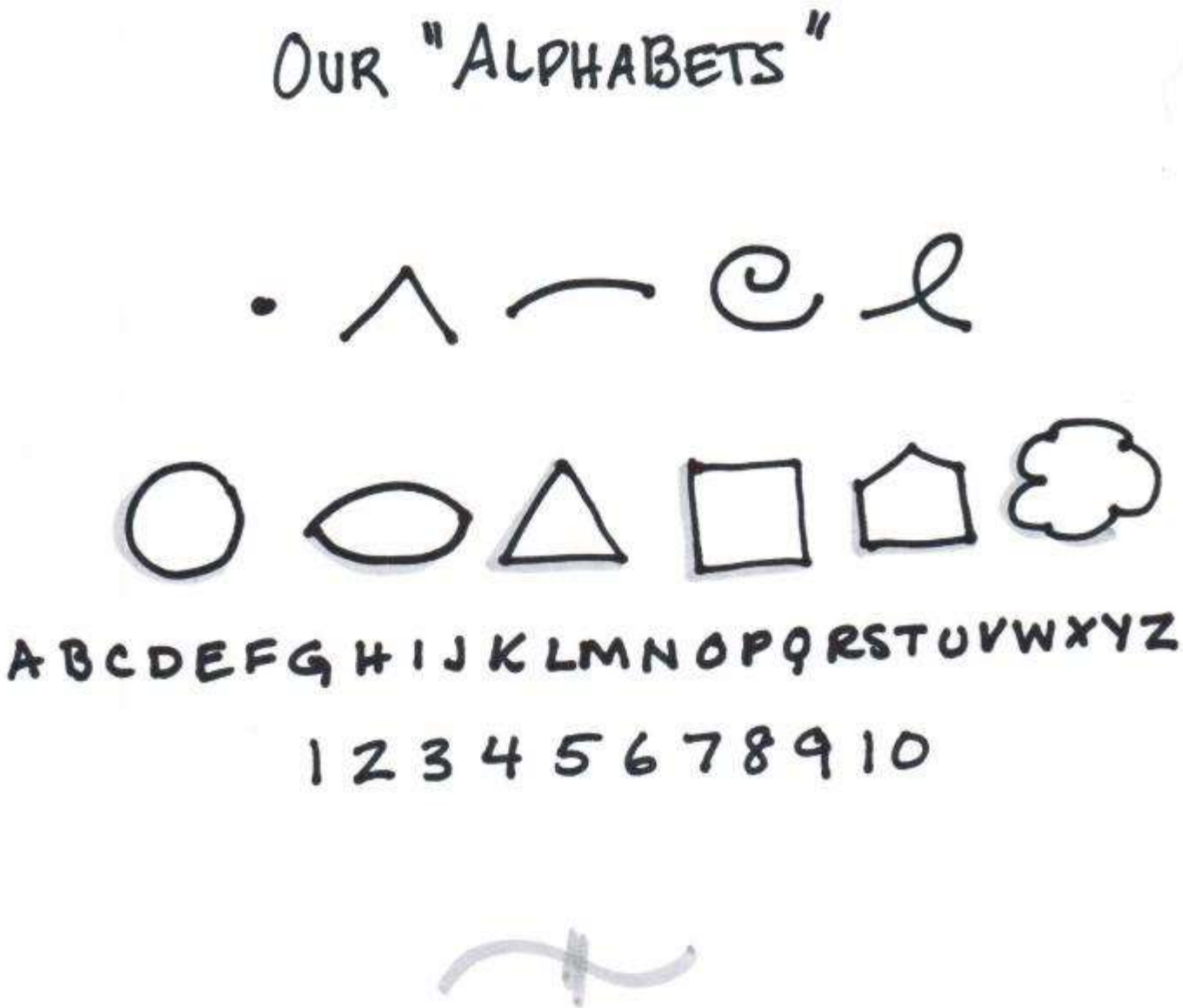
"Every child is an artist. The problem is how to remain an artist once we grow up."

- Pablo Picasso

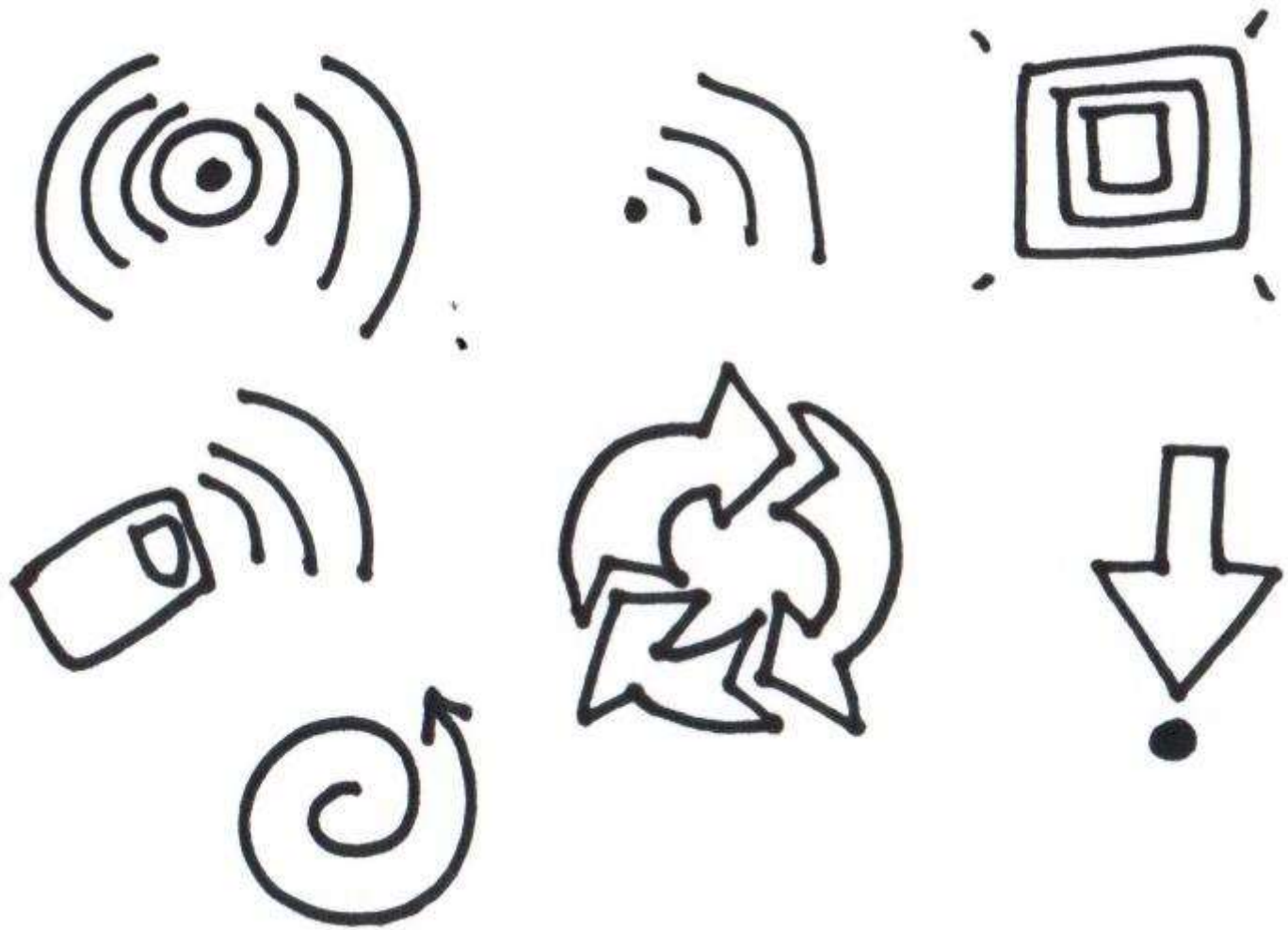


# Liberate your inner censor!

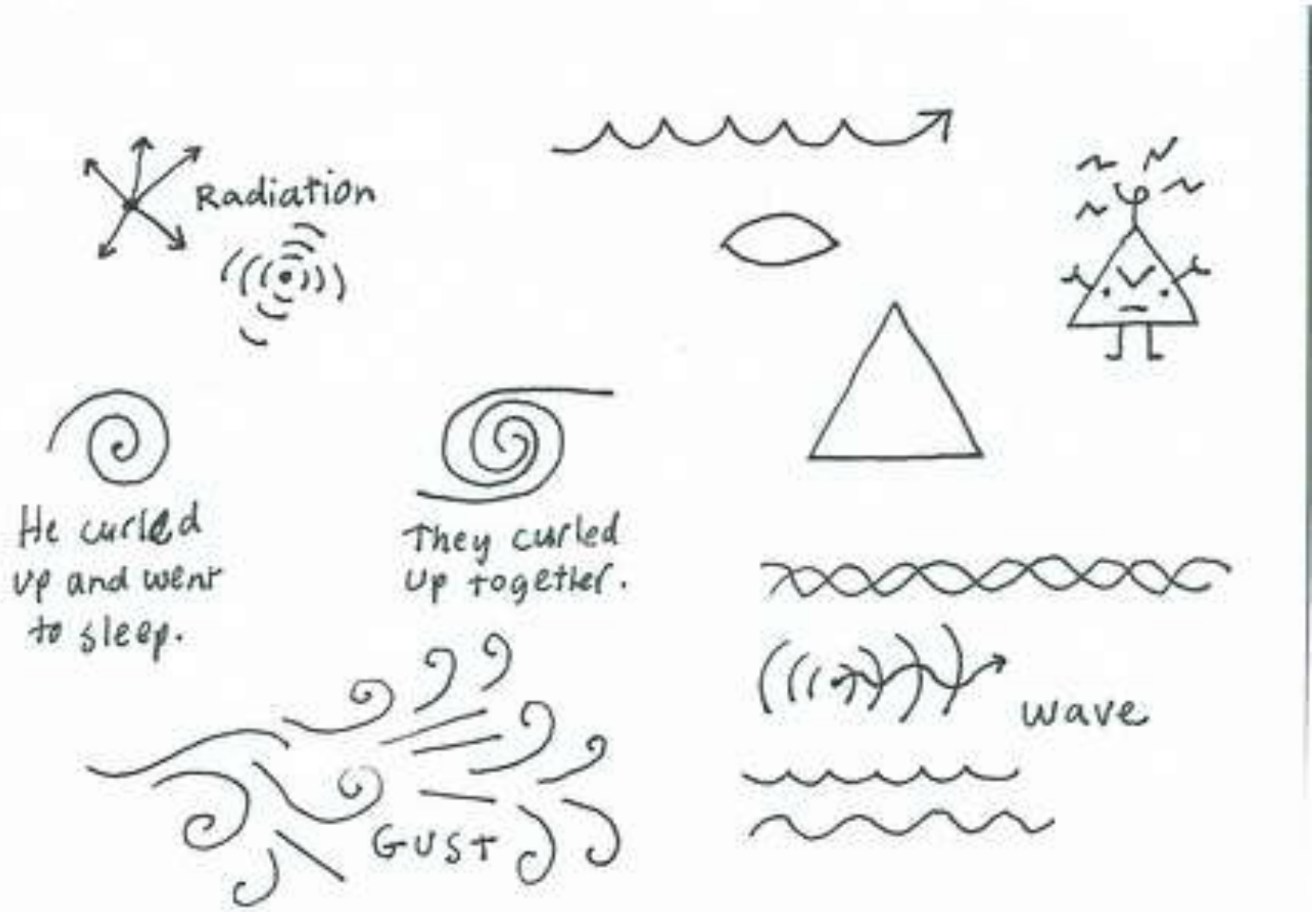
Shapes, lines and patterns



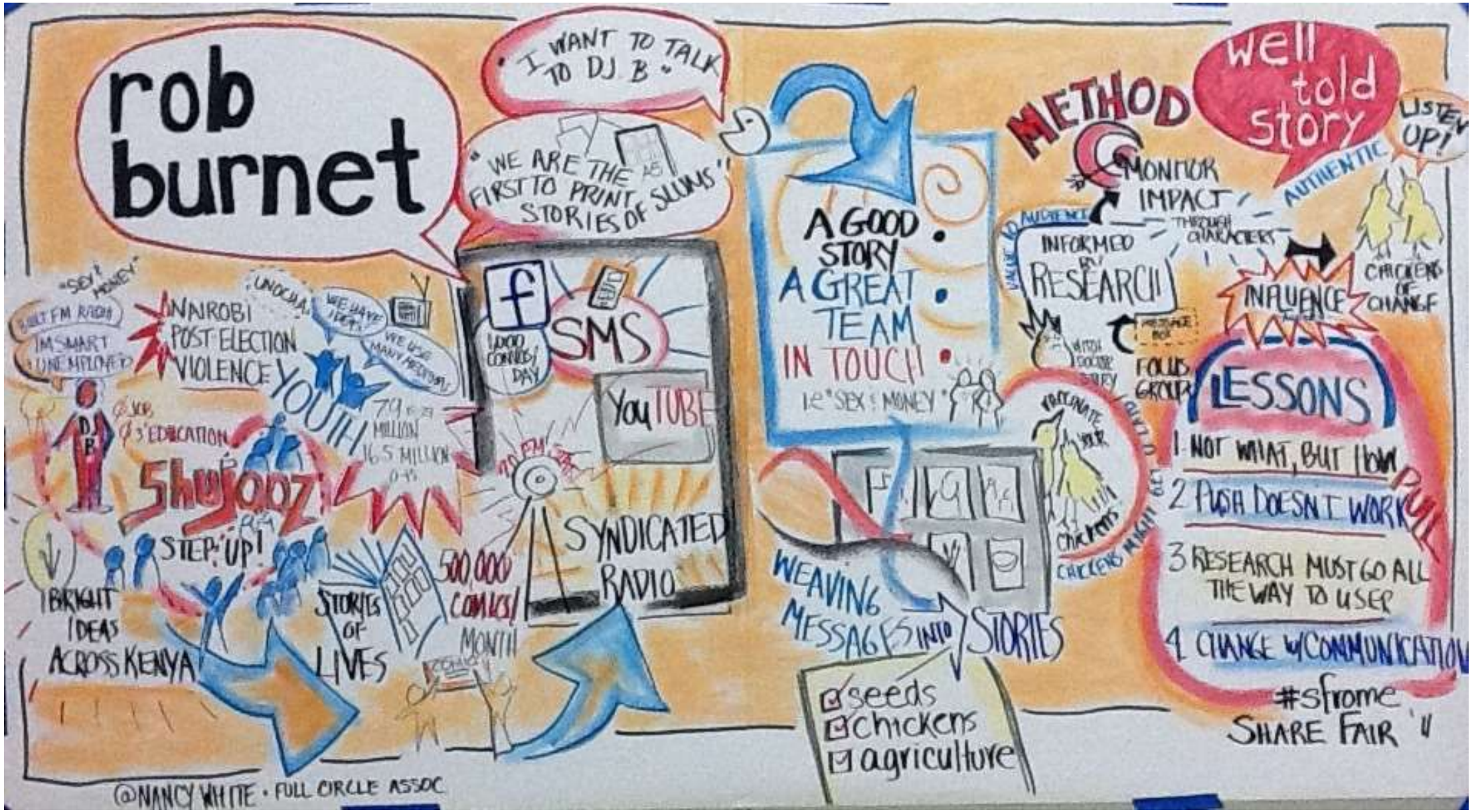
# Lines and Arrows

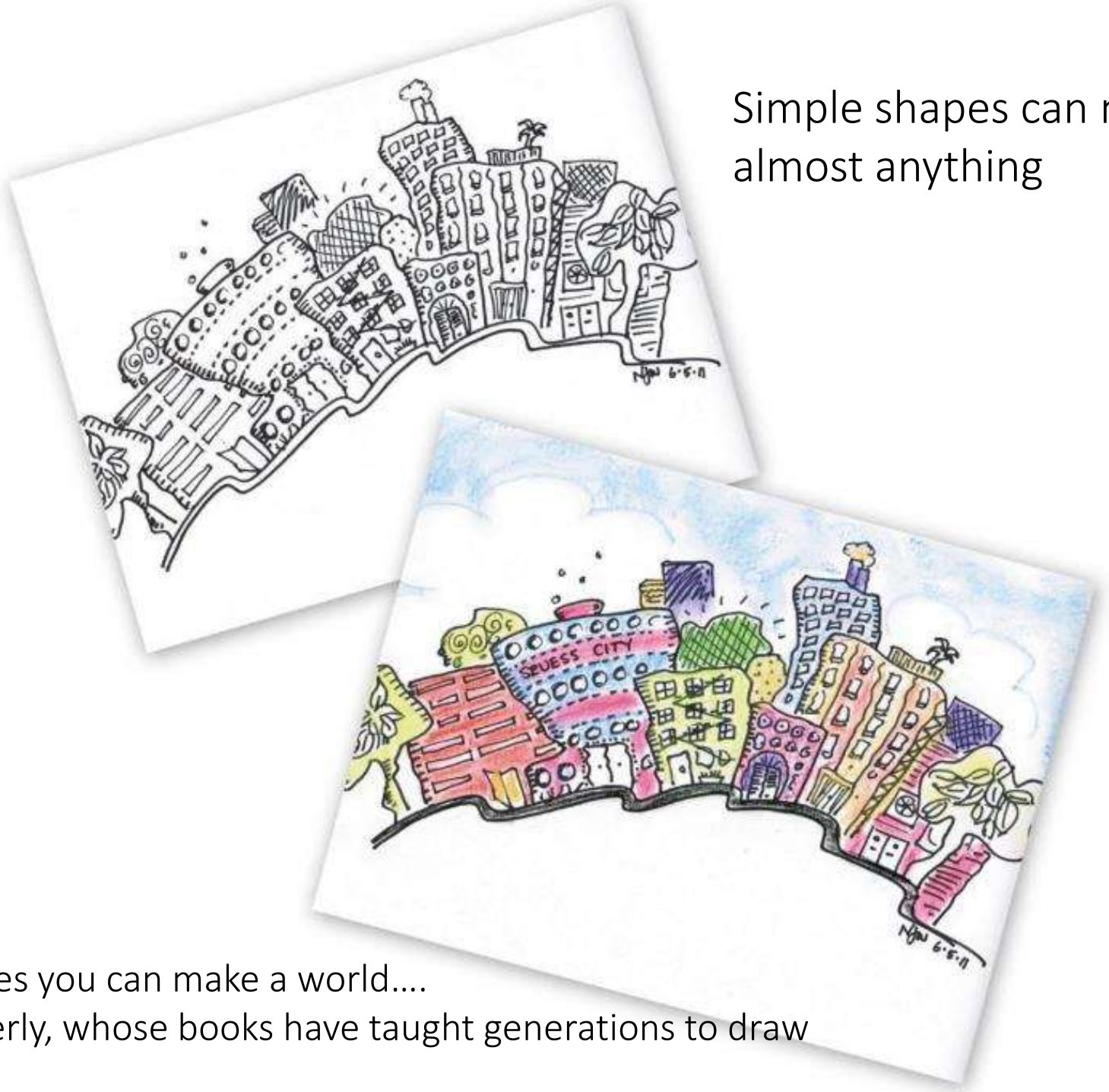


# The amazing Dave Gray (see urls in notes)



# Arrows show sequence, lines create connections






Simple shapes can make almost anything

With just boxes and lines you can make a world….
Be inspired by Ed Emberly, whose books have taught generations to draw

http://www.storytellingwithdata.com/blog/whereareyoureyesdrawn

storytelling WITH data

BLOG BOOK PUBLIC WORKSHOPS CUSTOM WORKSHOPS GALLERY ABOUT CONTACT

# where are your eyes drawn?

NOVEMBER 02, 2015 IN TIPS

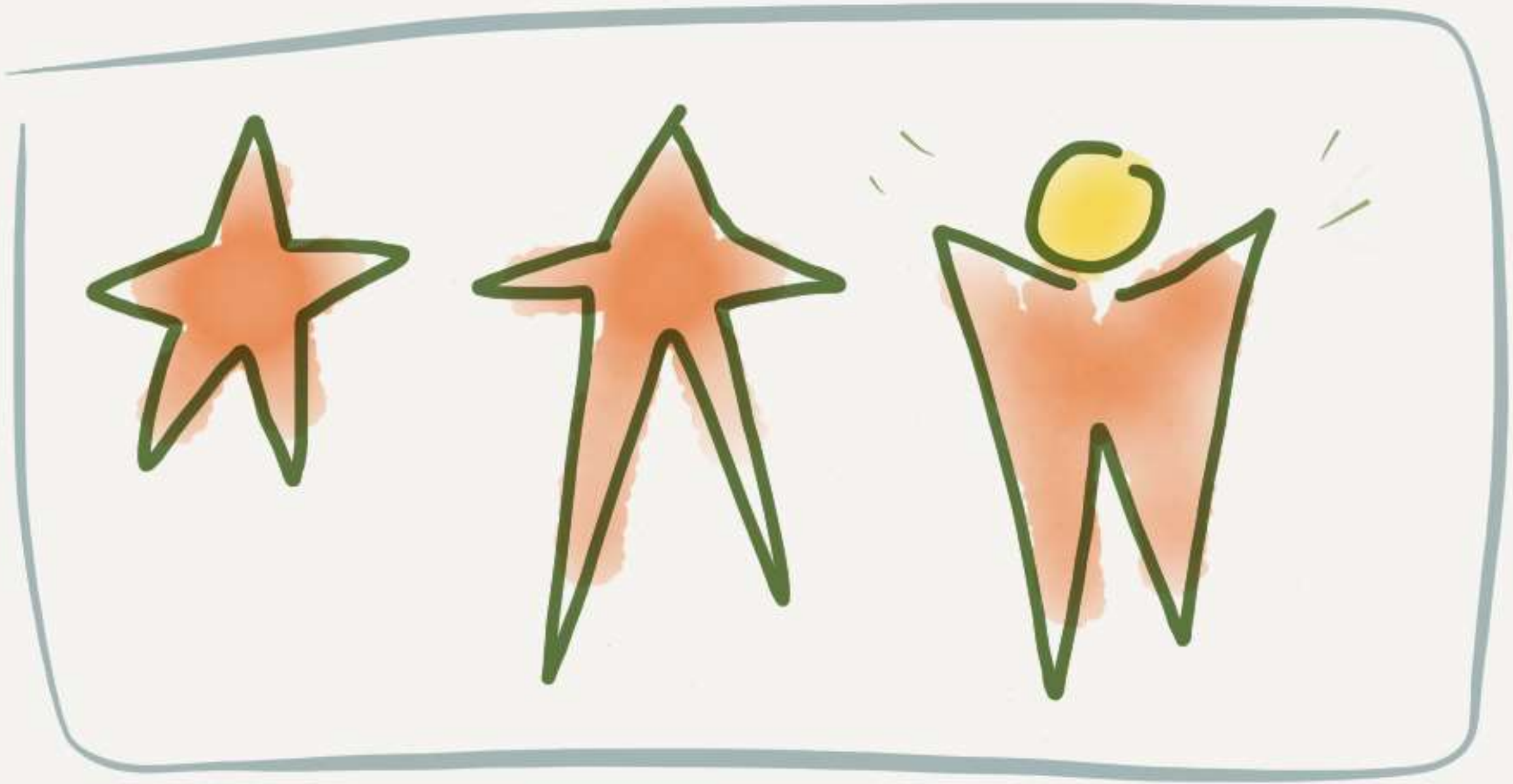
I am incredibly excited to announce that, as of today, my book *storytelling with data: a data visualization guide for business professionals* is officially published! I'm thrilled to be able to bring the lessons that I've honed over time through my work and in my workshops to a wider audience.

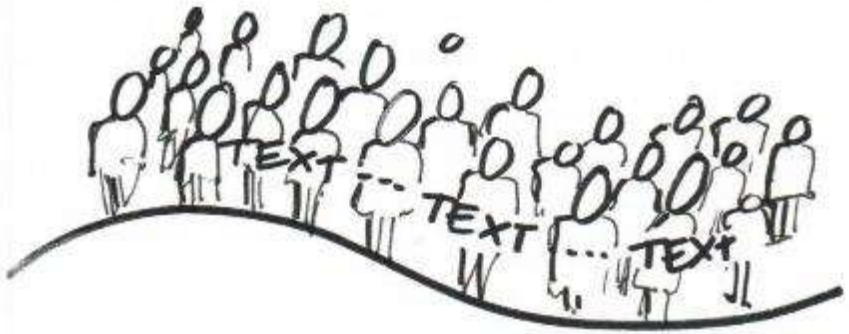
Speaking of which, today I'd like to talk about a fun test you can use to help assess the effectiveness of your visual designs. I spend a lot of time in my workshops and in my new book discussing preattentive attributes. These are elements like size, color, and position on page that, when used sparingly, can direct your audience's attention to where you want them to pay it when communicating with data (or communicating visually in general).

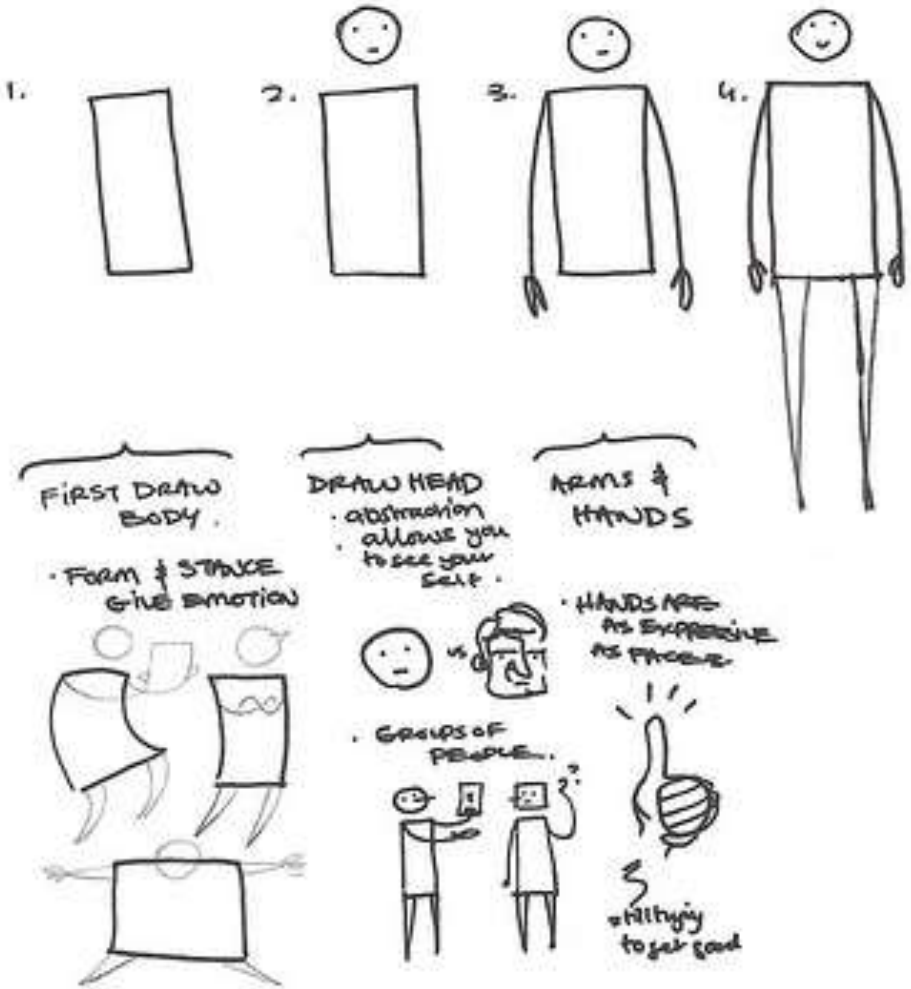
The test I like to employ when it comes to determining whether preattentive attributes are being used

Patterns are fun….

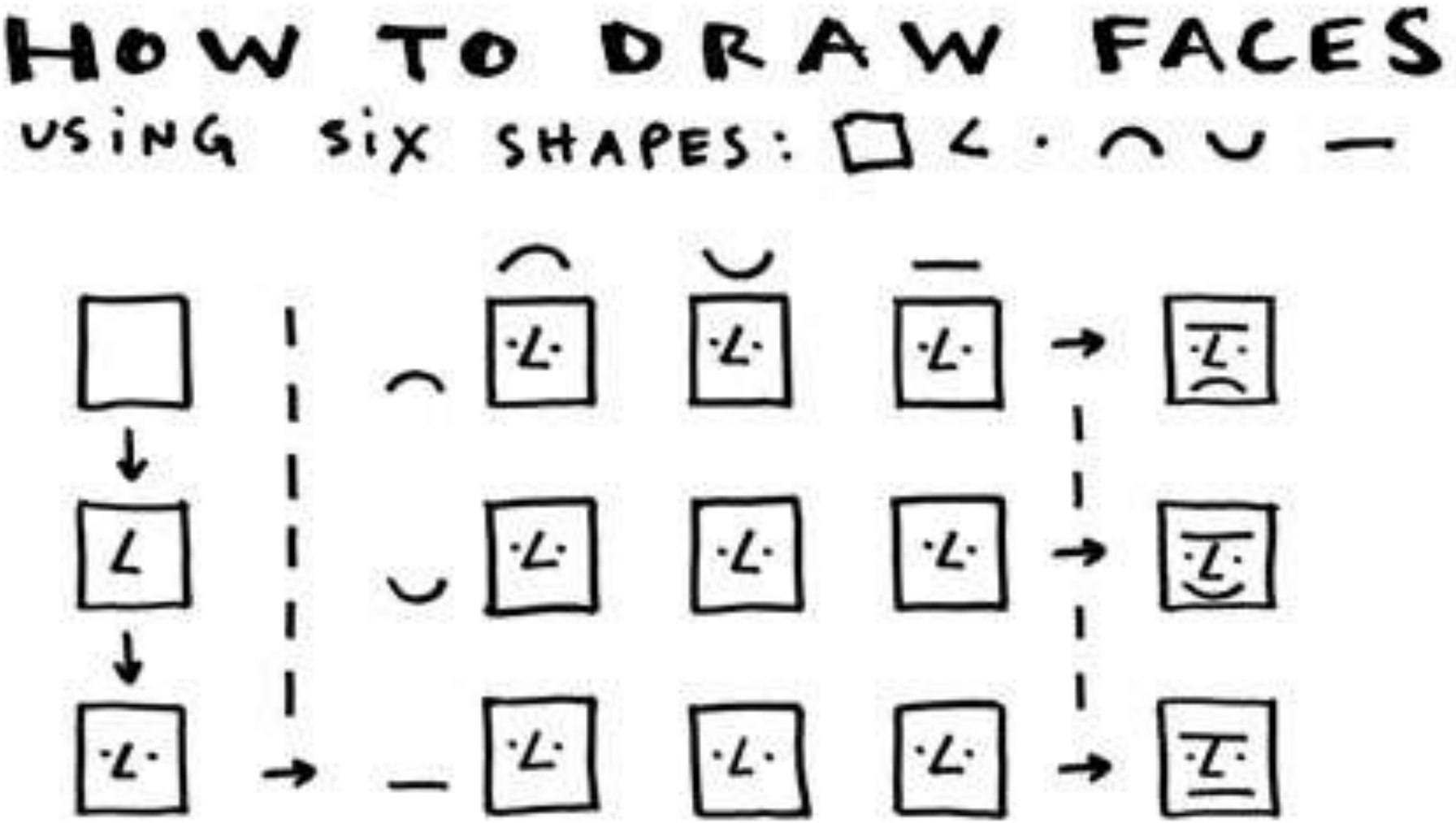
# People






http://ahmedriaz.com/mind/tag/sketching-ux/

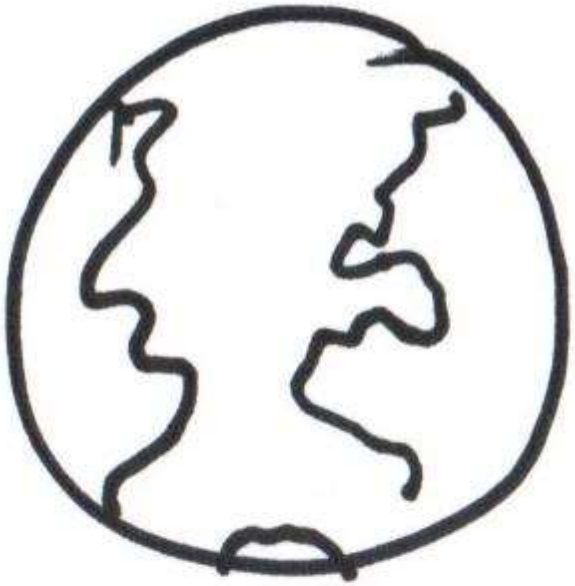


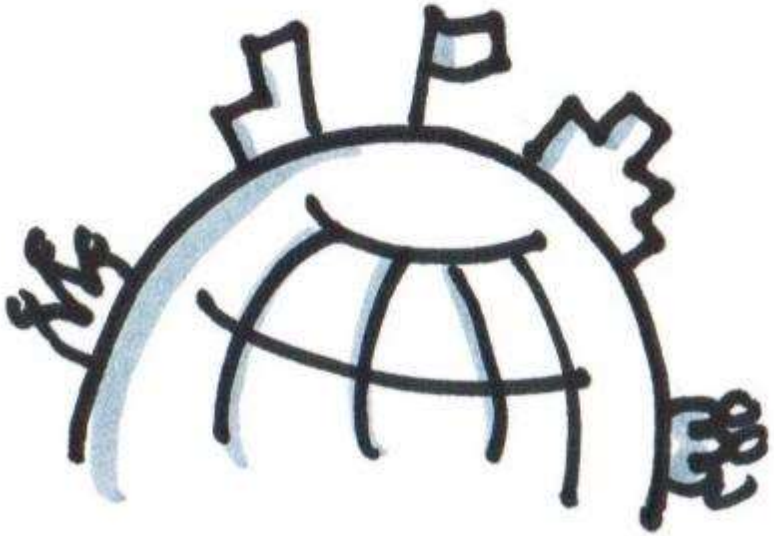

http://austinkleon.com/2009/05/14/notes-on-the-vizthink-visual-notetaking-101-webinar/

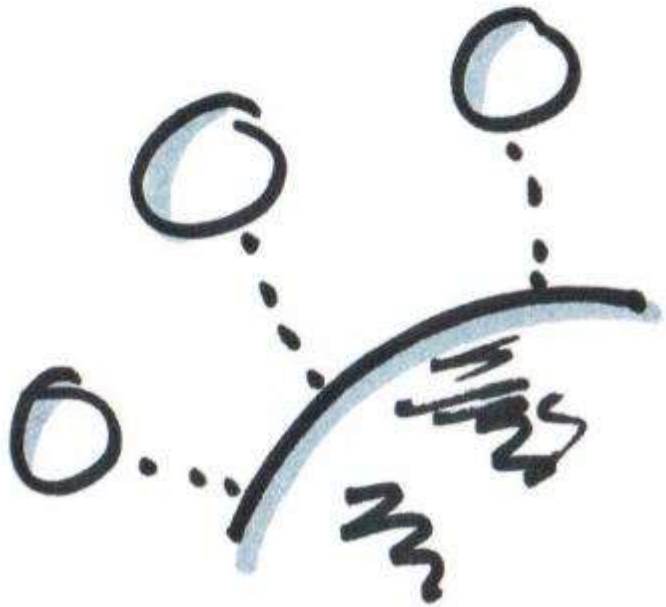
Add context with ground, motion lines and talk bubbles.

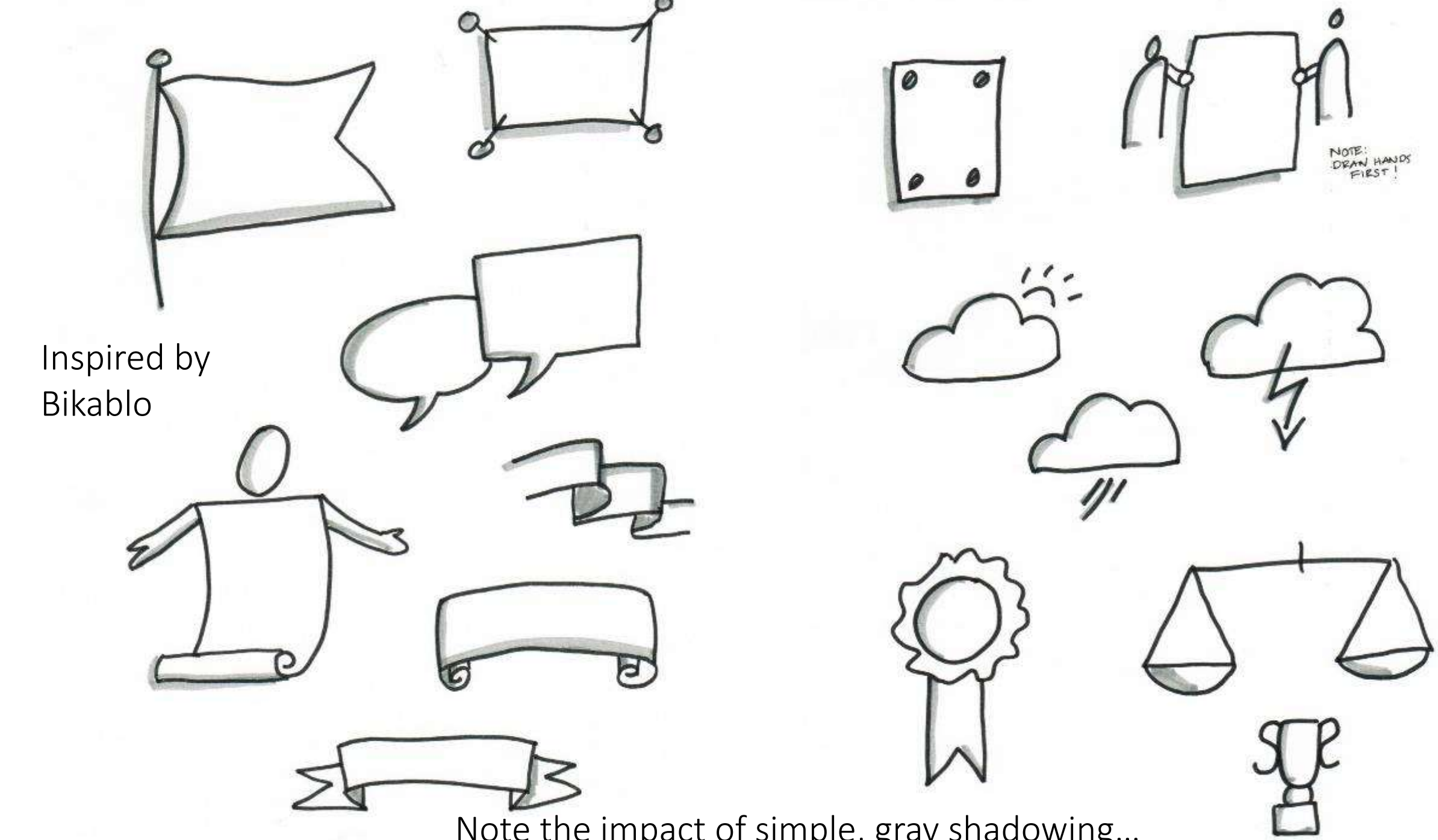
Asimple line grounds the action…

# Icons



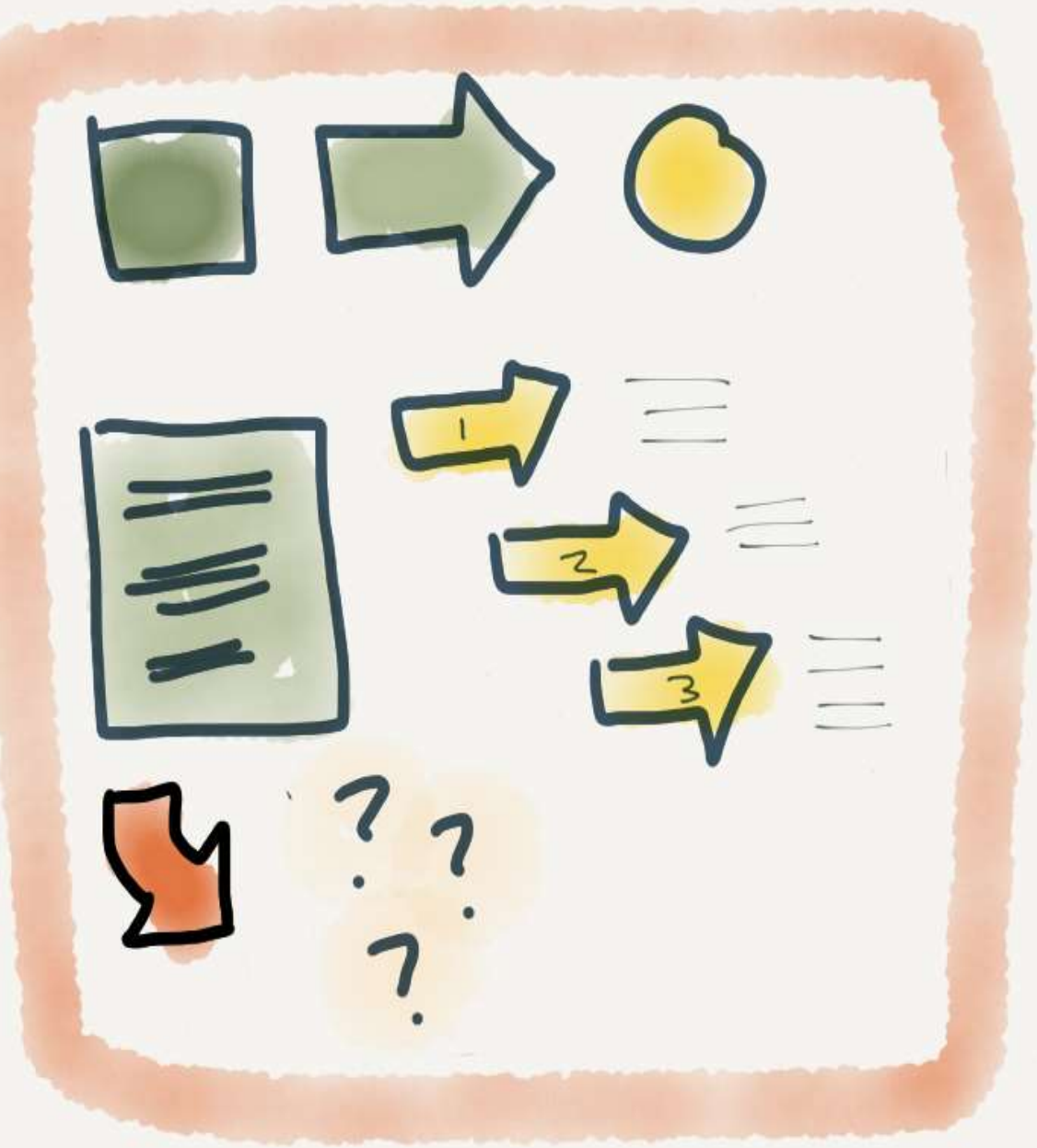


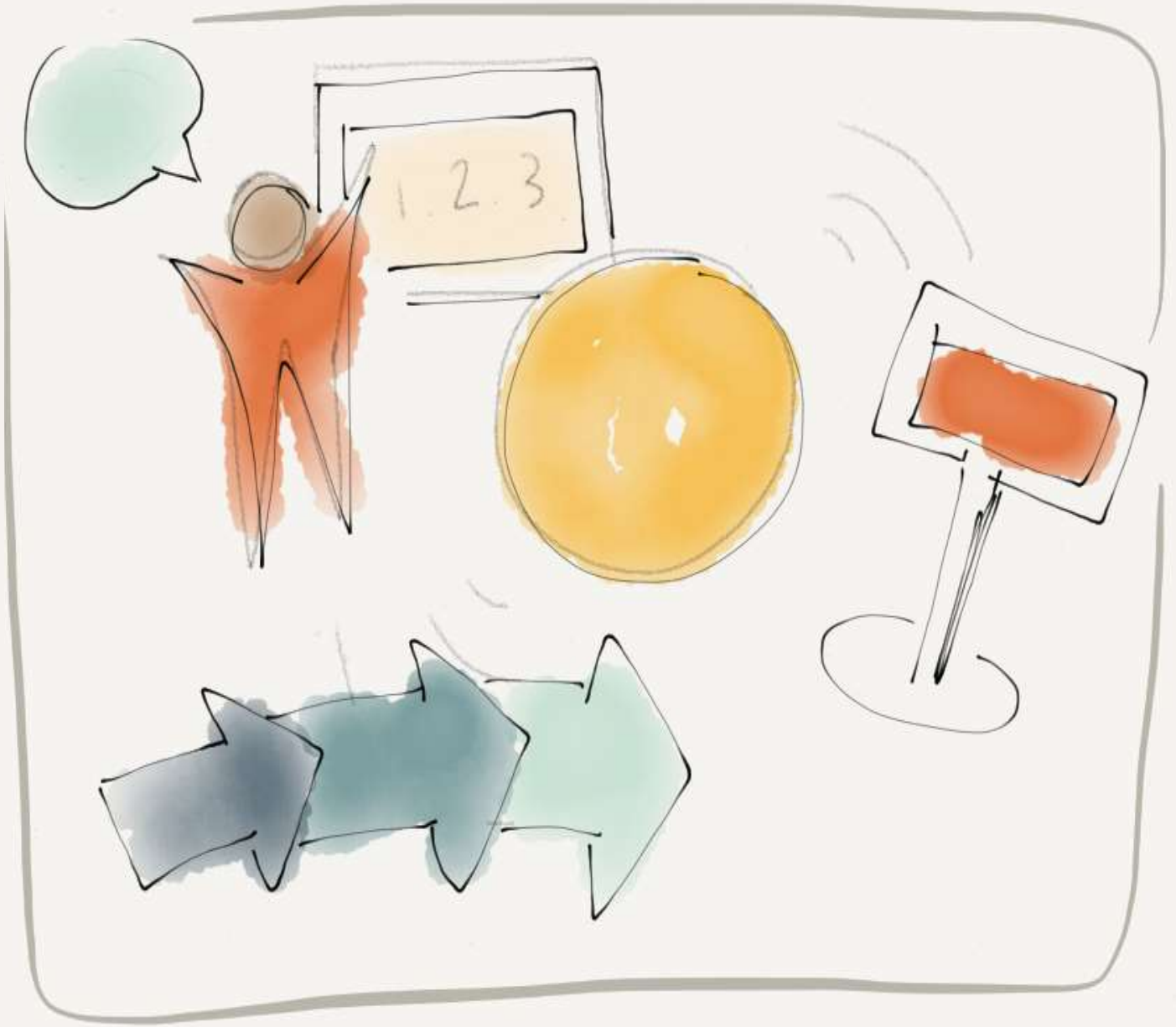





Inspired by
Bikablo

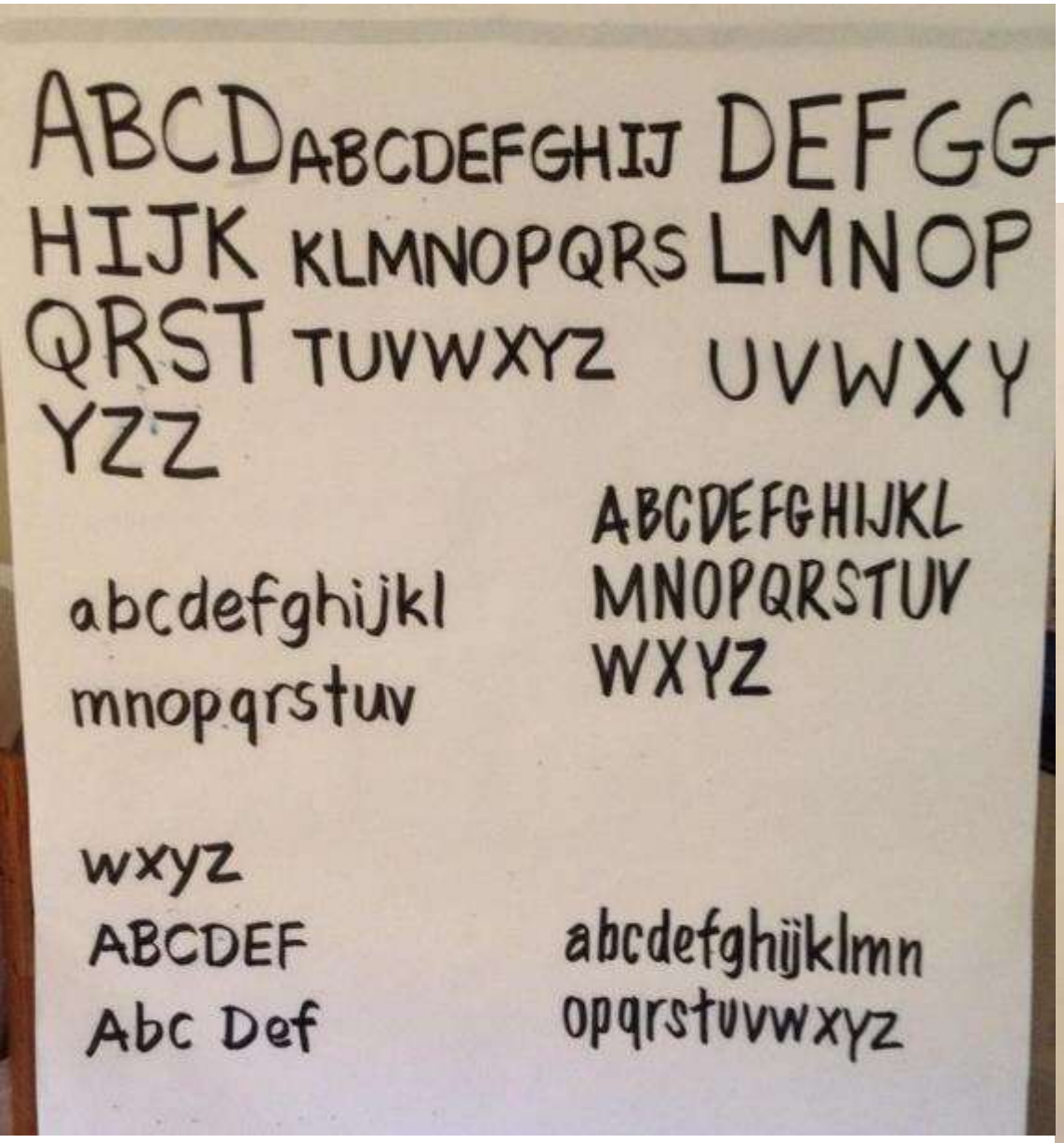
Note the impact of simple, gray shadowing…

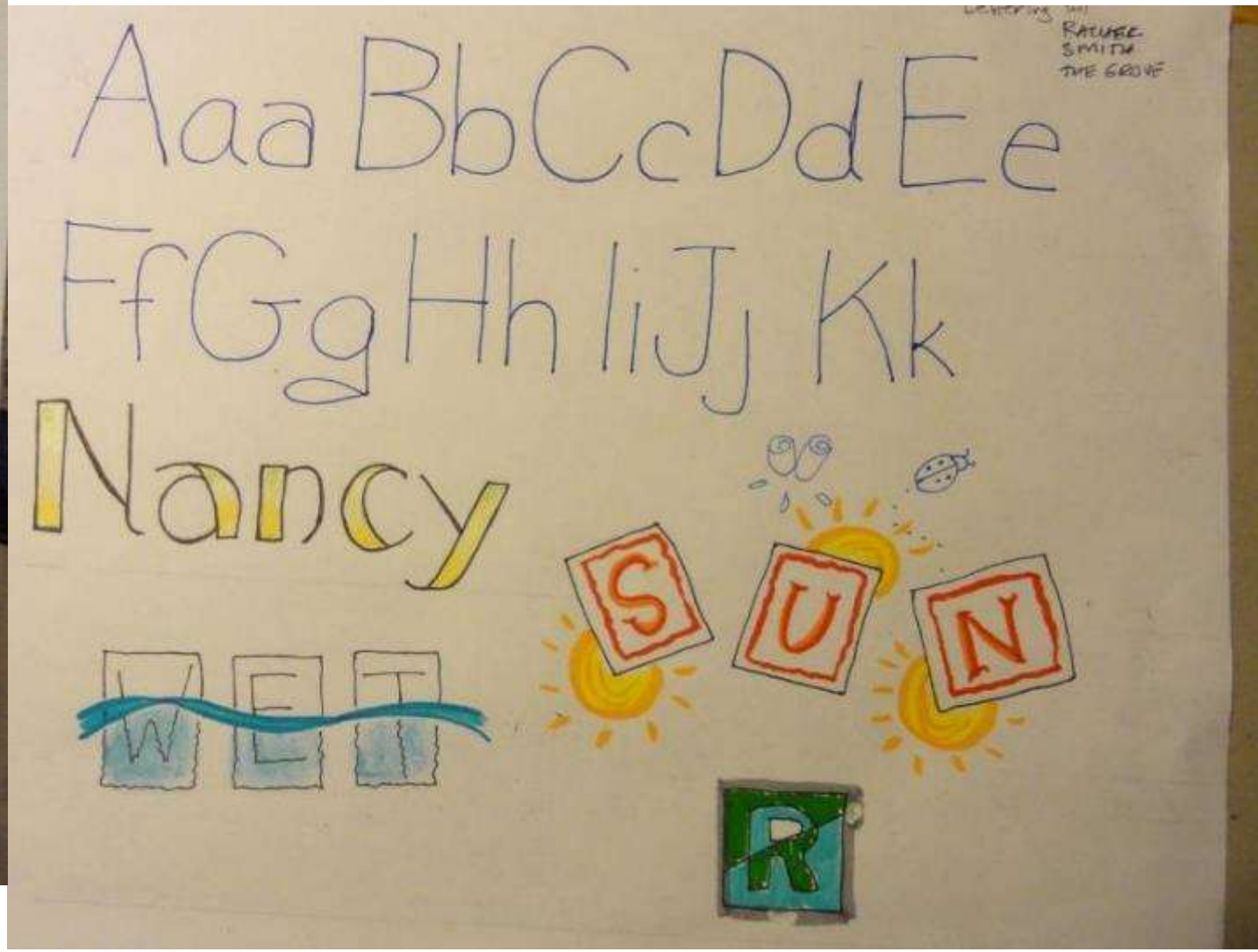



We put them all together…

Lettering


ABCD ABCDEFGHIJ DEFGG
HIJK KLMNOPQRS LMNOP
QRST TUVWXYZ UVWXY
YZZ
ABCDEFGHIJKL
MNOPQRSTUV
WXYZ
abcdefghijkl
mnopqrstuv
wxyz
ABCDEF
Abc Def
abcdefghijklmn
opqrstuvwxyz


Aaa Bb Cc Dd Ee
Ff Gg Hh Ii Jj Kk
Nancy
WET
SUN
R

TYPEOGRAPHY

REVERSE

Script

TRIANGLE

Serif

FUNKY

- ALL CAPS SIMPLE -

= LOOK =

SEE

EXPLORE

MINE

JIGGLE

GET INFORMATION
DOWN QUICKLY

# Frames

Rob Cottingham
Northernvoice09
MEmes
EULA!!!
WE OWN YOU!
SUBMIT
RESISTENCE IS FUTILE
SHHH (CENSORED)
BLOGGING
BUSINESS
HOST CITY FOR 2010 OLYMPIC HOTS
MOOSE-EYE
140 Chars
HECKELBOI
OVER 30 BLOGGER
OFFICIAL STATION OF BODY SNATCHERS
BETA TESTING
HOT HOT HOT!!
SUCKA!!
YOUR BENEFIT
TEH FUNN

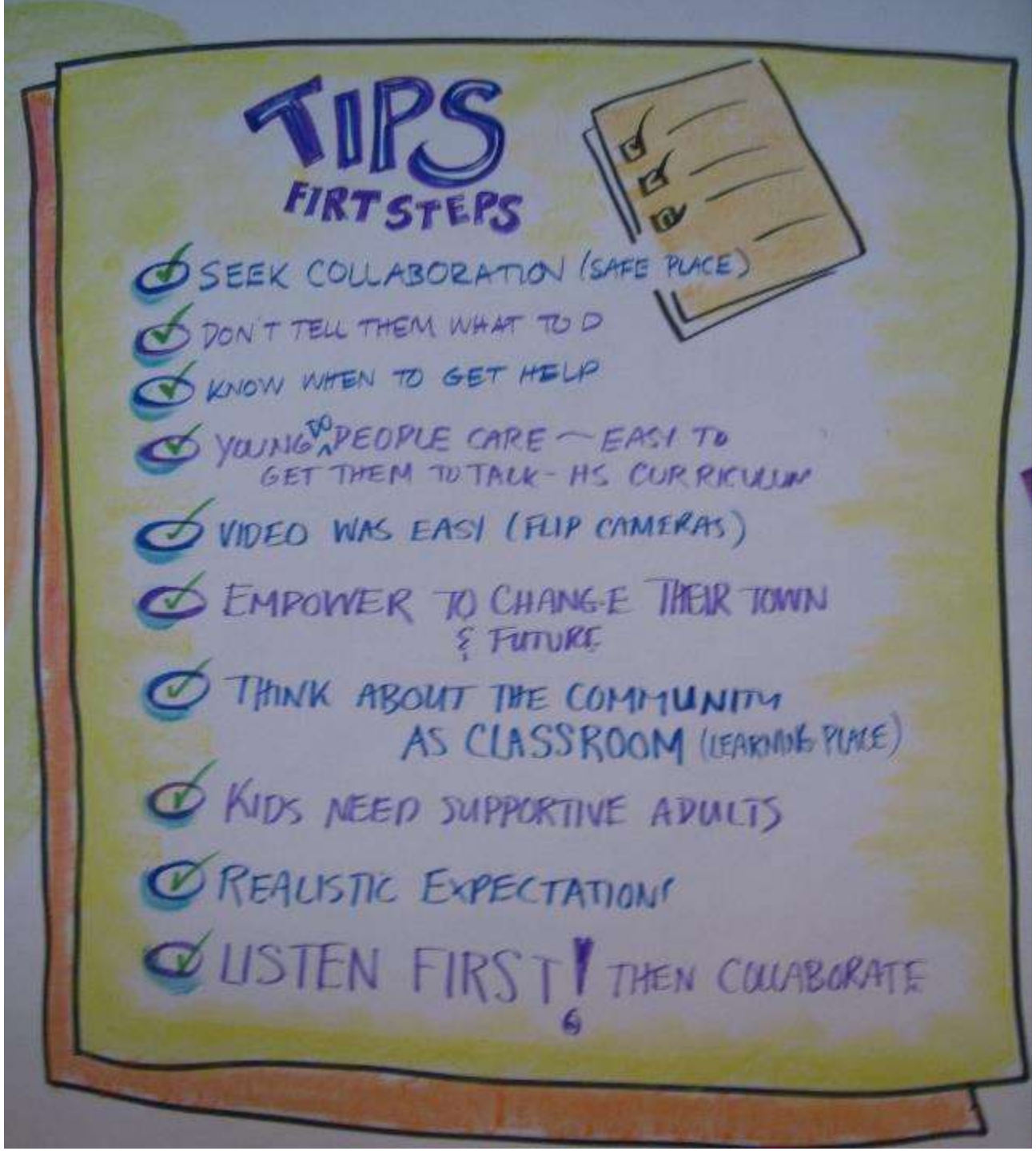
CREATIVE
INVENTIVE
COLLABORATIVE
HACK
TRY
FEARLESS
WE HAVE FRIENDS
CREATIVE SELF-EXPRESSION
PROUDLY RICH
BEYOND TECH
LAUGHING TOGETHER
US
SOCIAL
CAPITAL
THE FUNNY IS OURS!

DAY ONE

# Containers & Context

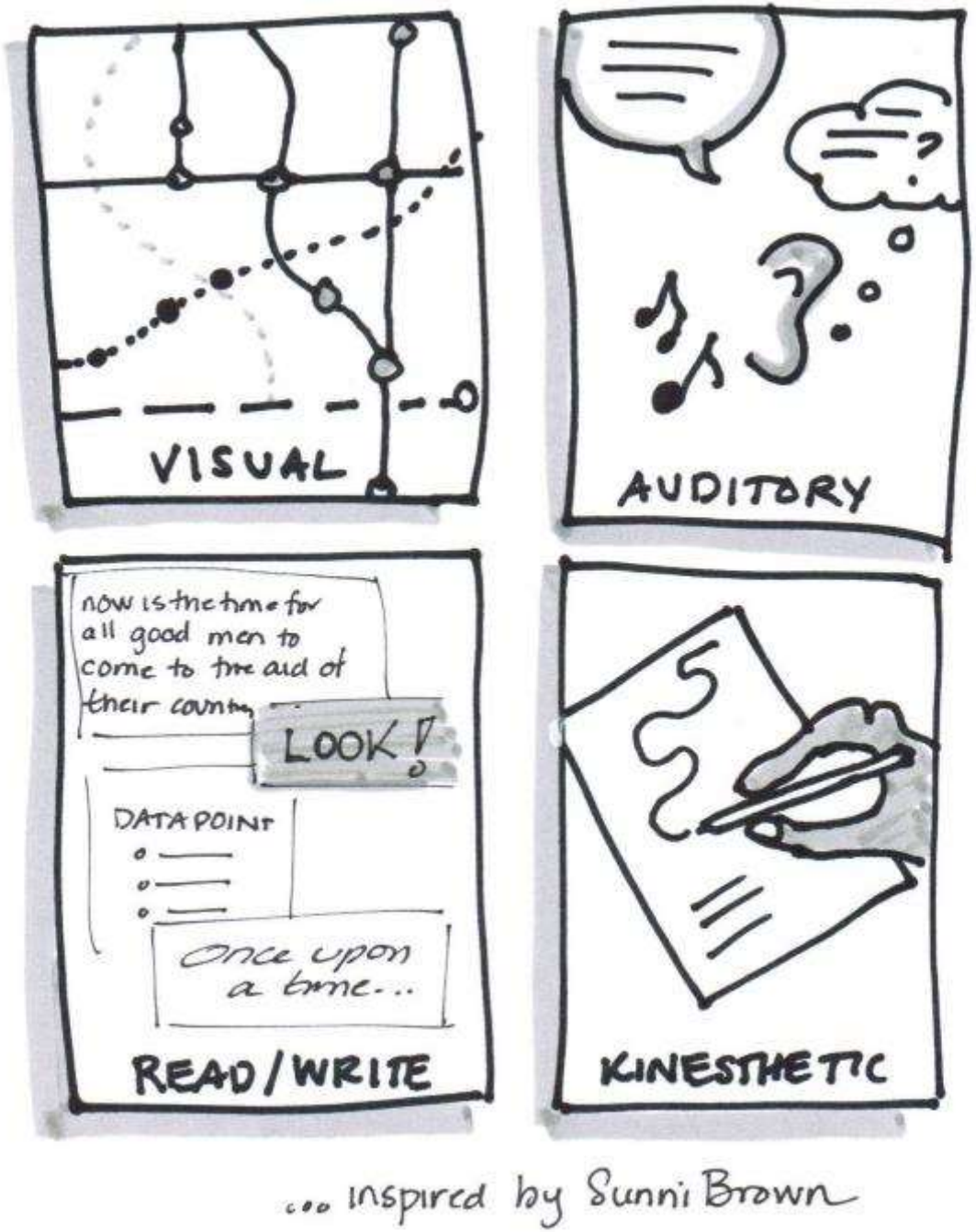
SLSS Intro Activity Community Values Study

# Lists & charts

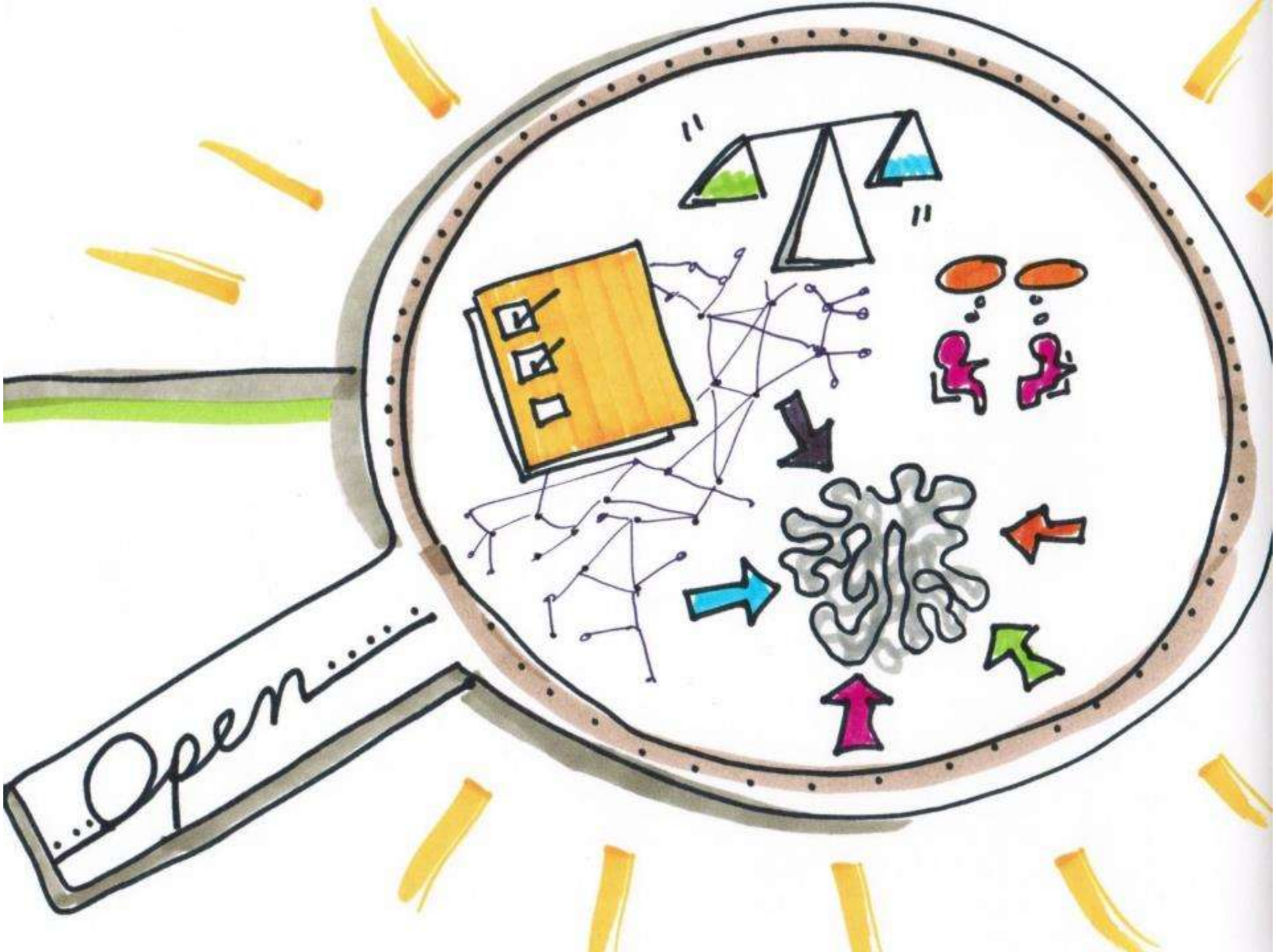


# Grid

Variant of grids:
Storyboards

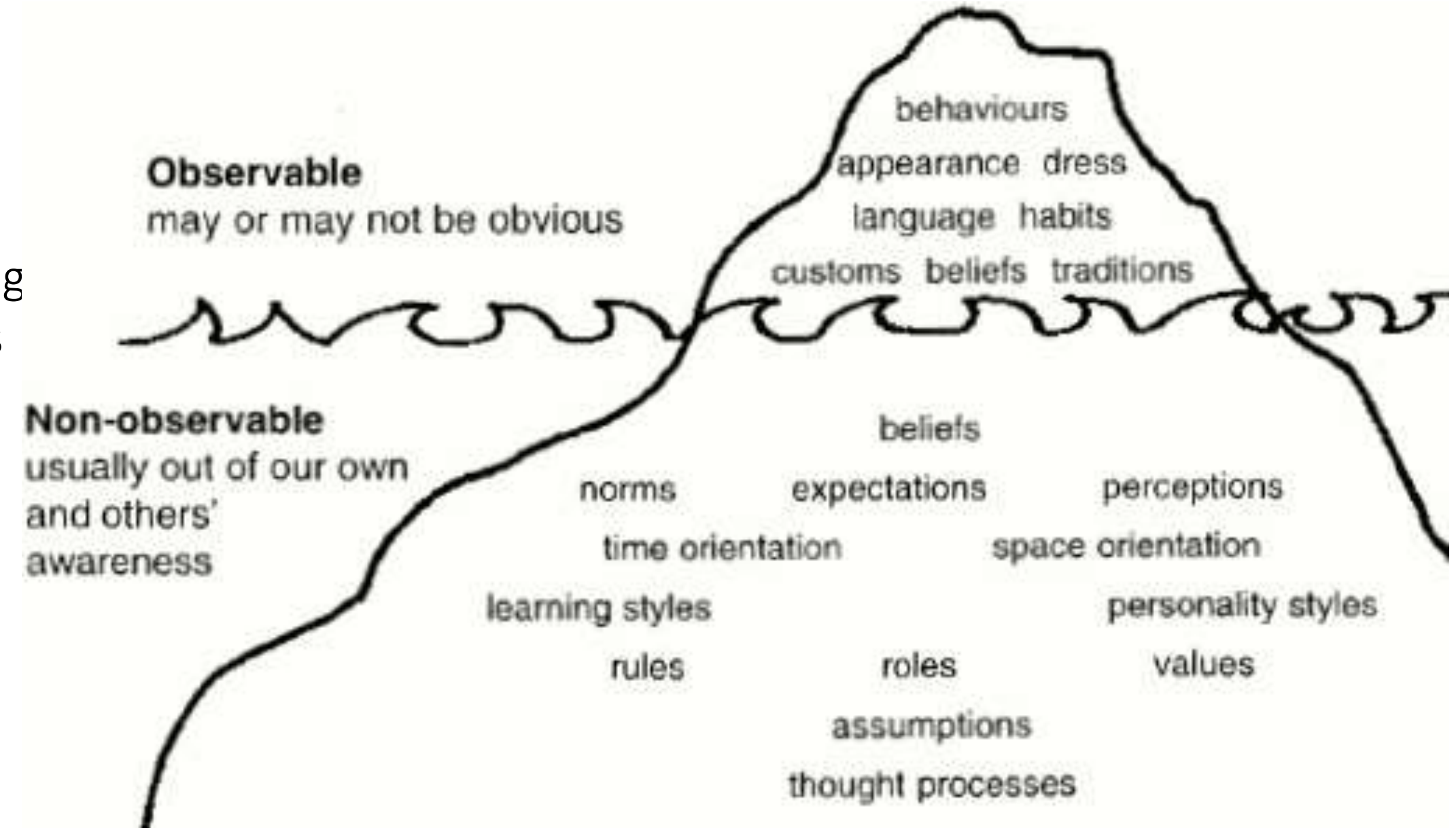


# Metaphor

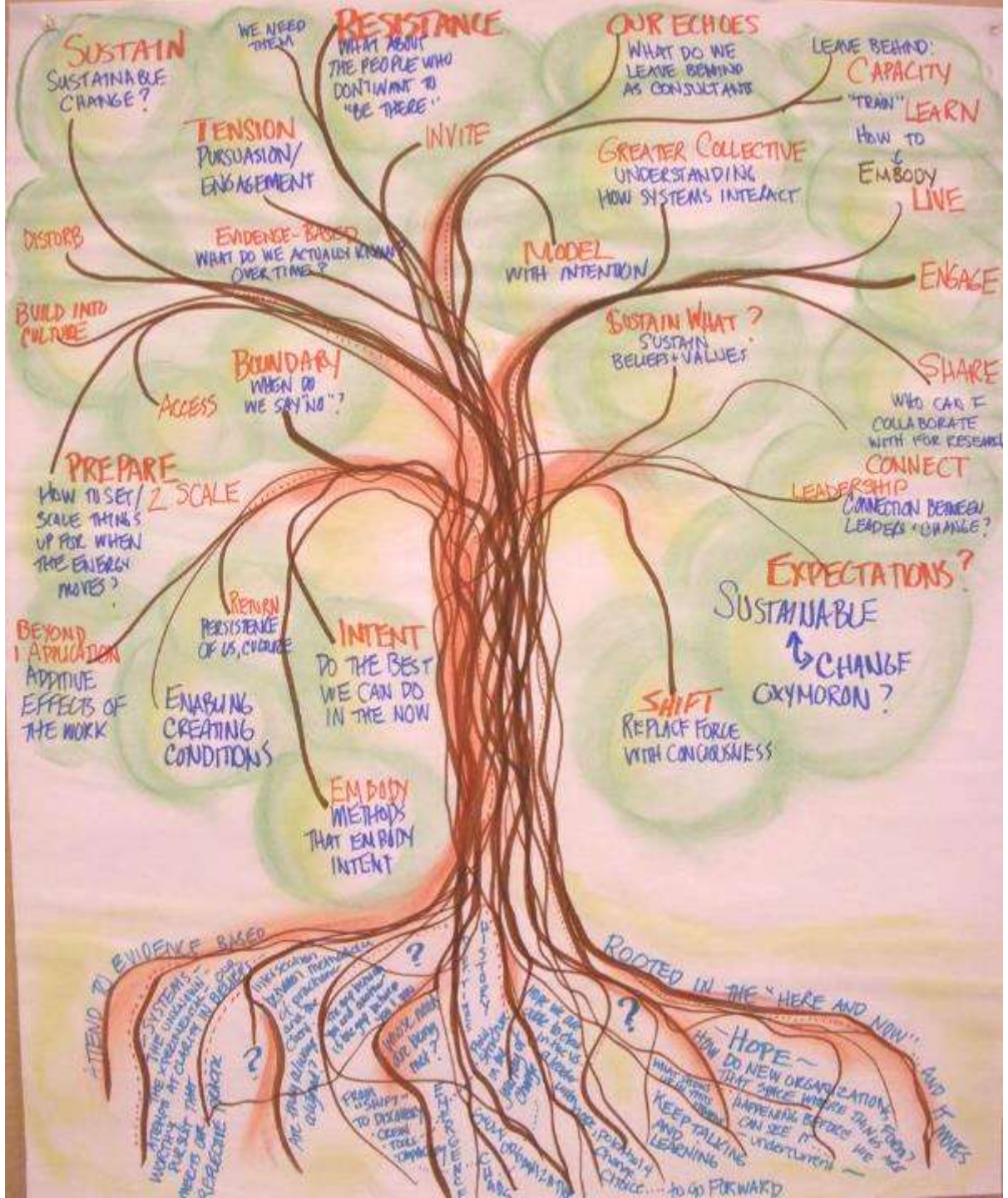


# Iceberg

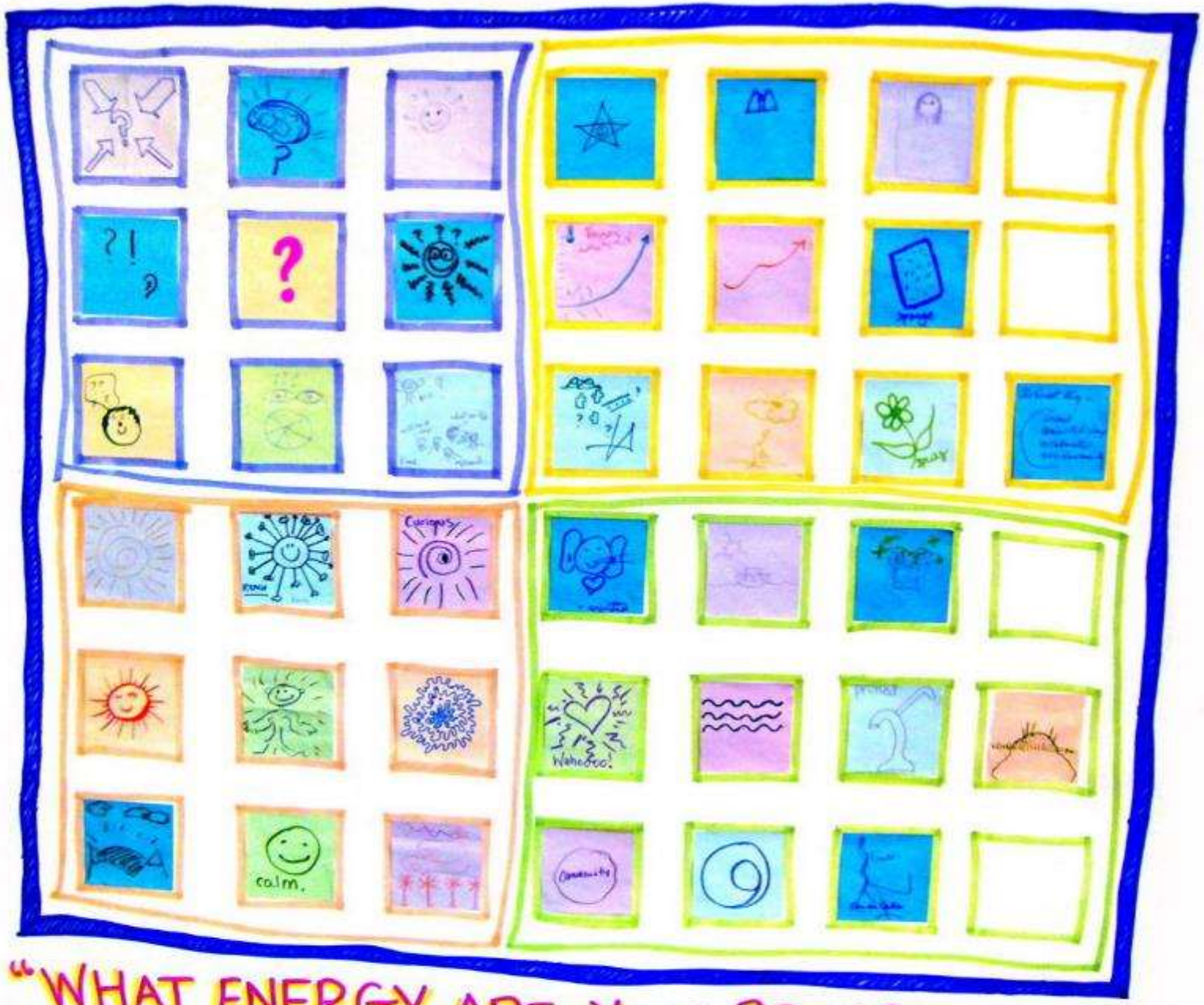
Metaphors
as
containers,
as organizing
frameworks



# Trees…


SUSTAIN
SUSTAINABLE CHANGE?
WE NEED THEM
RESISTANCE
WHAT ABOUT THE PEOPLE WHO DON'T WANT TO "BE THERE"
OUR ECHOES
WHAT DO WE LEAVE BEHIND AS CONSULTANTS
LEAVE BEHIND:
CAPACITY
"TRAIN"
LEARN
HOW TO
EMBODY
LIVE
TENSION
PURSUASION/ ENGAGEMENT
INVITE
GREATER COLLECTIVE
UNDERSTANDING HOW SYSTEMS INTERACT
DISTORB
EVIDENCE-BASED
WHAT DO WE ACTUALLY KNOW OVER TIME?
MODEL
WITH INTENTION
ENGAGE
BUILD INTO CULTURE
SUSTAIN WHAT?
SUSTAIN BELIEFS + VALUES
BOUNDARY
WHEN DO WE SAY "NO"?
ACCESS
SHARE
WHO CAN I COLLABORATE WITH FOR RESEARCH
CONNECT
PREPARE
HOW TO SET/ SCALE THINGS UP FOR WHEN THE ENERGY MOVES?
2 SCALE
LEADERSHIP
CONNECTION BETWEEN LEADERS + CHANGE?
EXPECTATIONS?
SUSTAINABLE
CHANGE
OXYMORON?
RETURN
PERSISTENCE OF US, CULTURE
BEYOND 1 APPLICATION
ADDITIVE EFFECTS OF THE WORK
INTENT
DO THE BEST WE CAN DO IN THE NOW
ENABLING CREATING CONDITIONS
SHIFT
REPLACE FORCE WITH CONCIOUSNESS
EMBODY
METHODS THAT EMBODY INTENT
ROOTED IN THE "HERE AND NOW"
HOPE
KEEP TALKING AND LEARNING
TO GO FORWARD

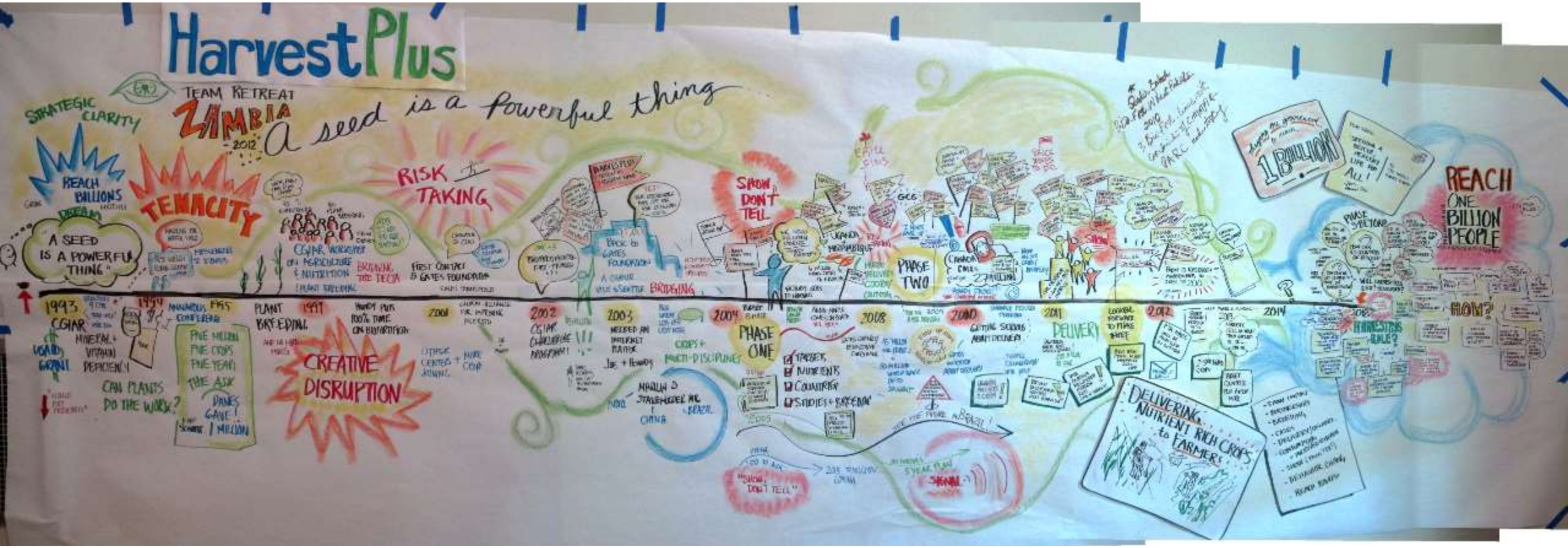
INTERACT!
PROMOTE INFORMALITY & TRUST
CULTURE CHANGE IS A PART OF KM!
Share more, waste less!
SHARING BASIS of INNOVATION
TREE of KNOWLEDG
Knowledge is a means to an end: deliver improvement in lives of hungry people on the ground!
GREAT TO HAVE ALL ROLE ORGANIZATIONS TO WORK TOGETHER!
SOW THE SEEDS, NOT JUST TALK ABOUT THEM
ज्ञान
(HINDU Teacher
is KS a branch of the communications tree?
WHO IS TRYING THE SAME STUFF AS I AM?
like a tree - needs strong roo & nourishment to bear fruits!
Collecting versus SHARING
AYUDEMOS A COMUNICAR ESCUCHANDO LAS NECESIDADES DE LOS OTROS
OVERDOSE OF KNOWLEDGE
I WANT MY WORK TO MATTER!
TREE of KNOWLEDGE
SHARE FAIR 2009




"WHAT ENERGY ARE YOU BRINGING INTO THE ROOM?"

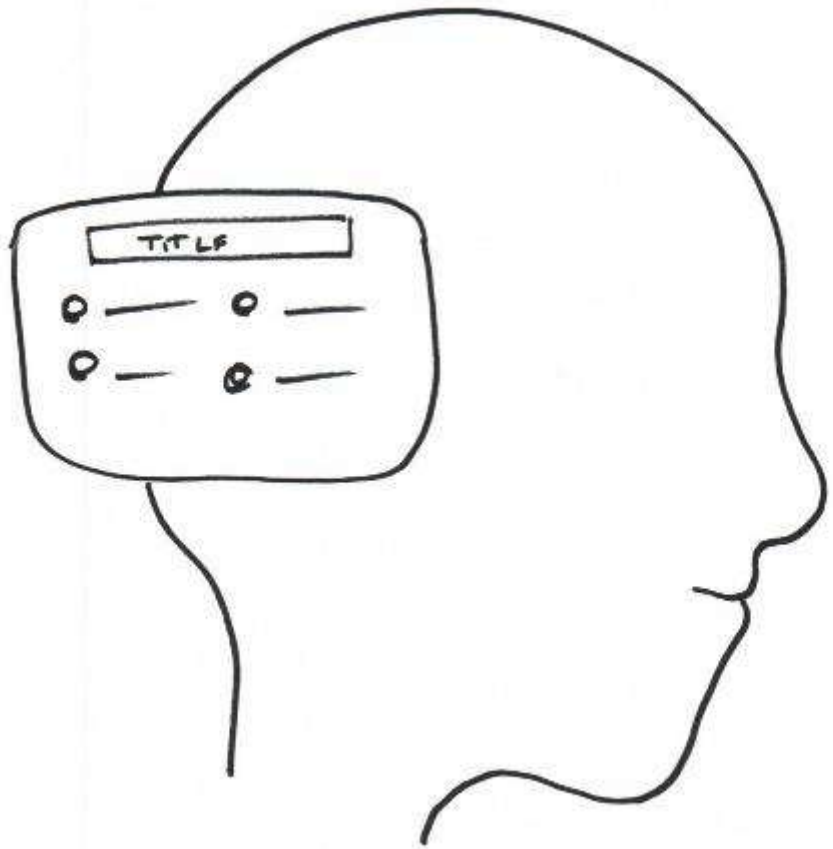
Avril Orloff

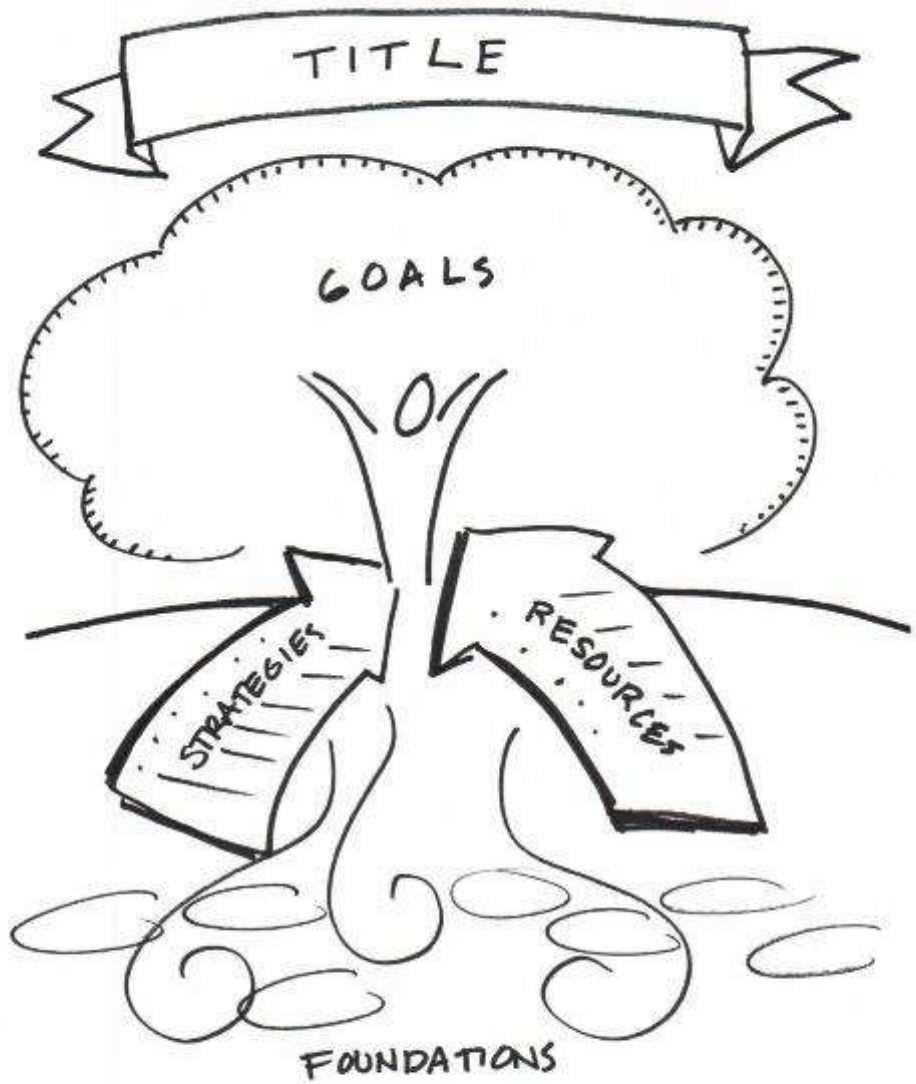
# Timelines

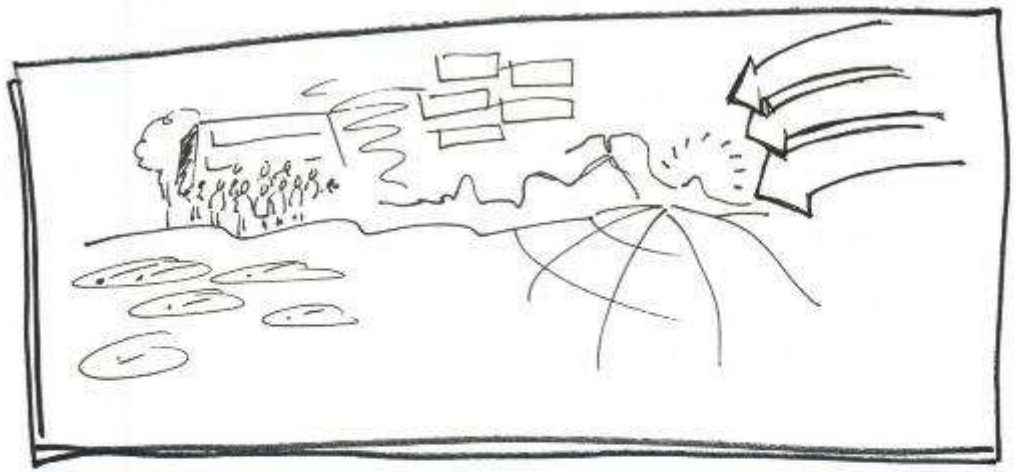

HarvestPlus
TEAM RETREAT
ZAMBIA
2012
a seed is a powerful thing
STRATEGIC CLARITY
REACH BILLIONS
TENACITY
A SEED IS A POWERFUL THING
RISK TAKING
CREATIVE DISRUPTION
SHOW, DON'T TELL
PHASE ONE
PHASE TWO
DELIVERY
1BILLION
REACH ONE BILLION PEOPLE
DELIVERING NUTRIENT RICH CROPS to FARMERS
1993
1994
1997
2000
2002
2003
2004
2008
2010
2011
2012
2014
2015

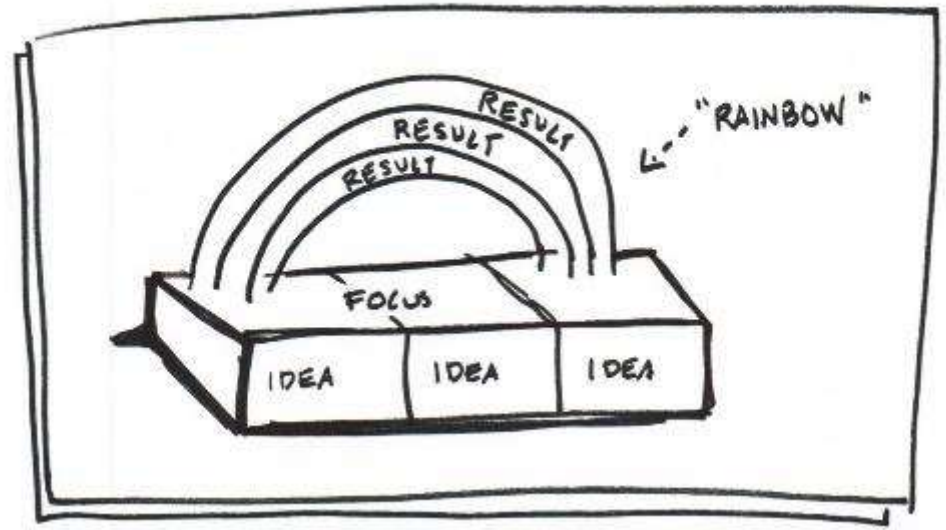
The detail of the previous chart shows many flags. These started out as participant generated post it notes. Then they were transcribed into the final image.

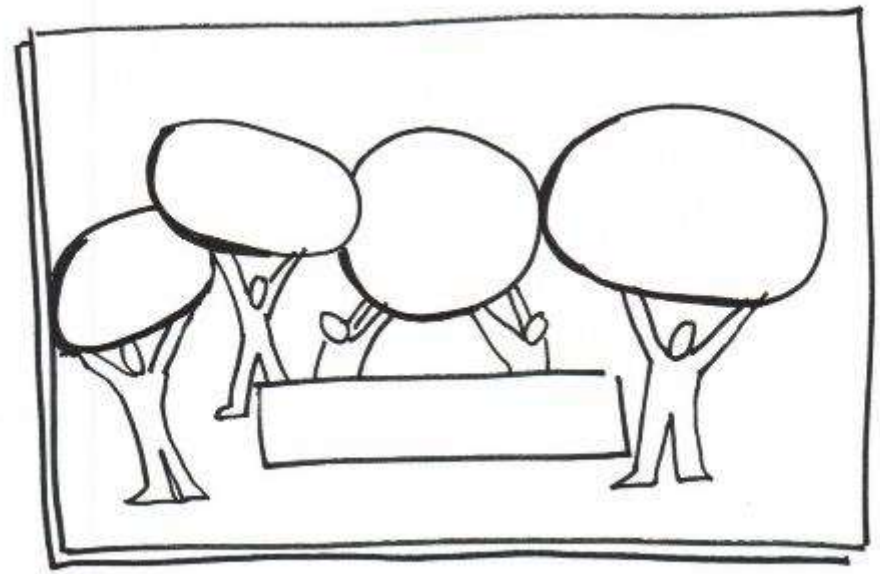
# Templates and premade cut outs



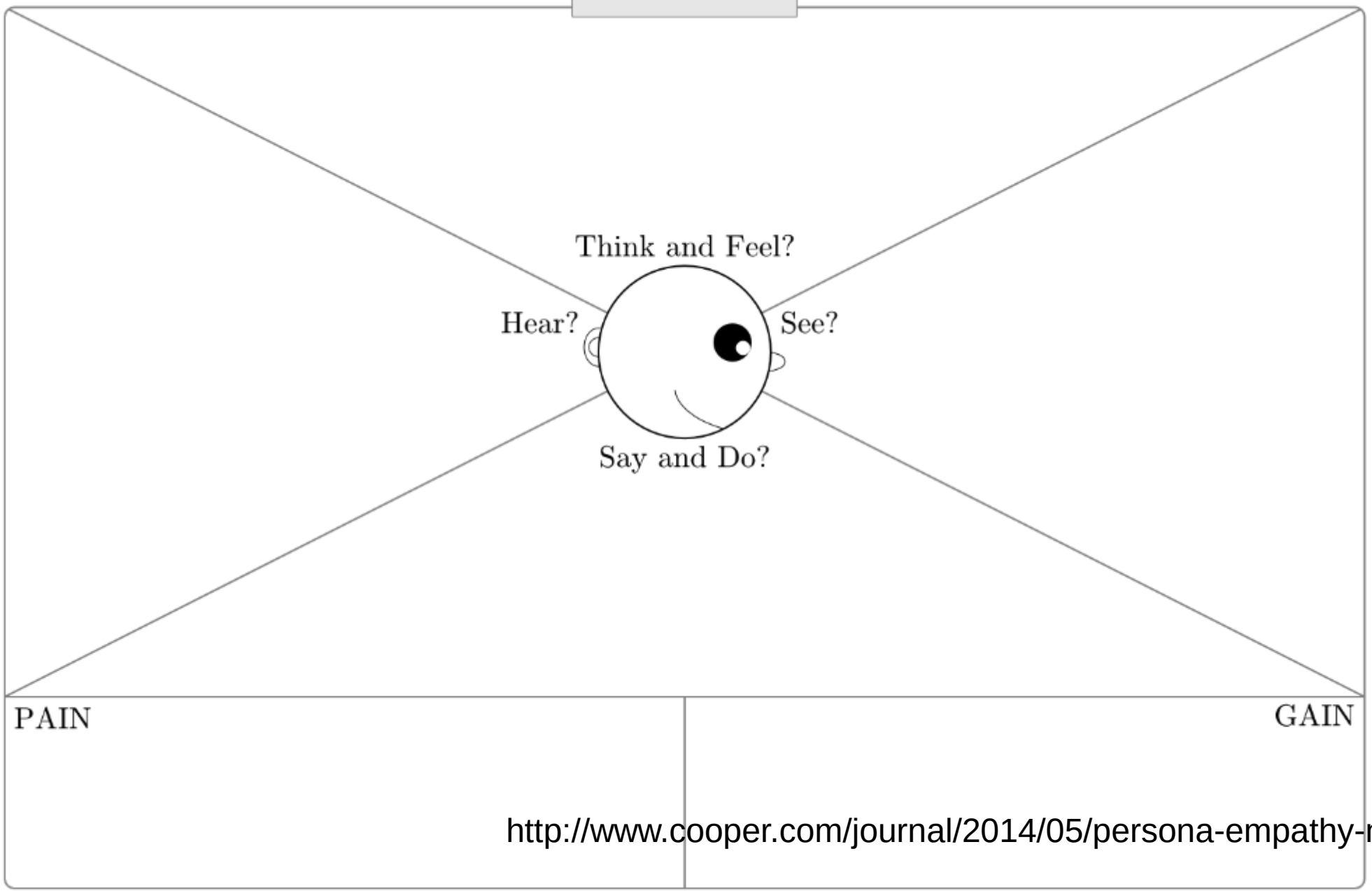



RESULT
RESULT
RESULT
"RAINBOW"
FOCUS
IDEA
IDEA
IDEA



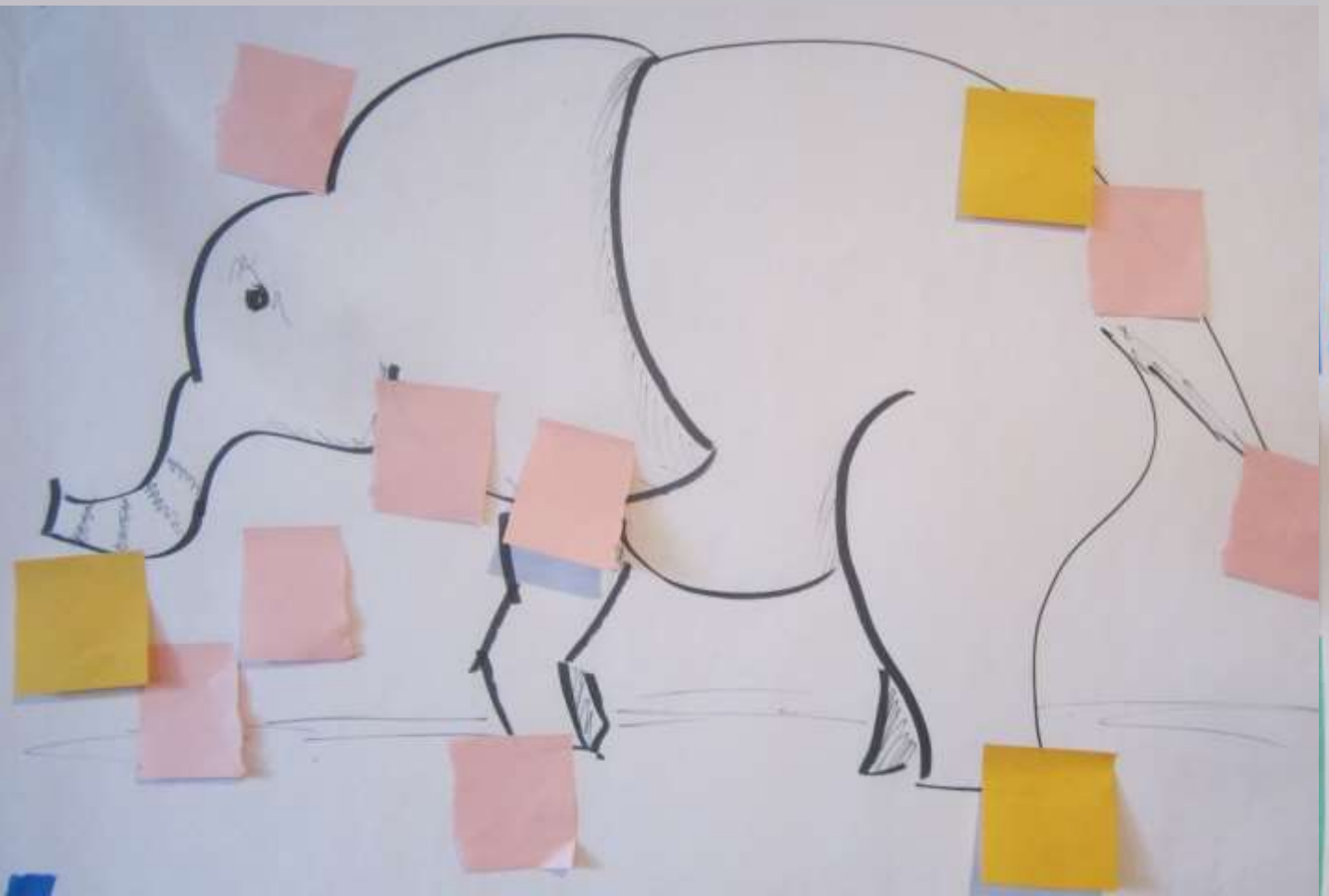
# Business Model - The Empathy Map

Author:
Date: Iteration:




http://www.cooper.com/journal/2014/05/persona-empathy-mapping

# Templates from RosViz13 participants…

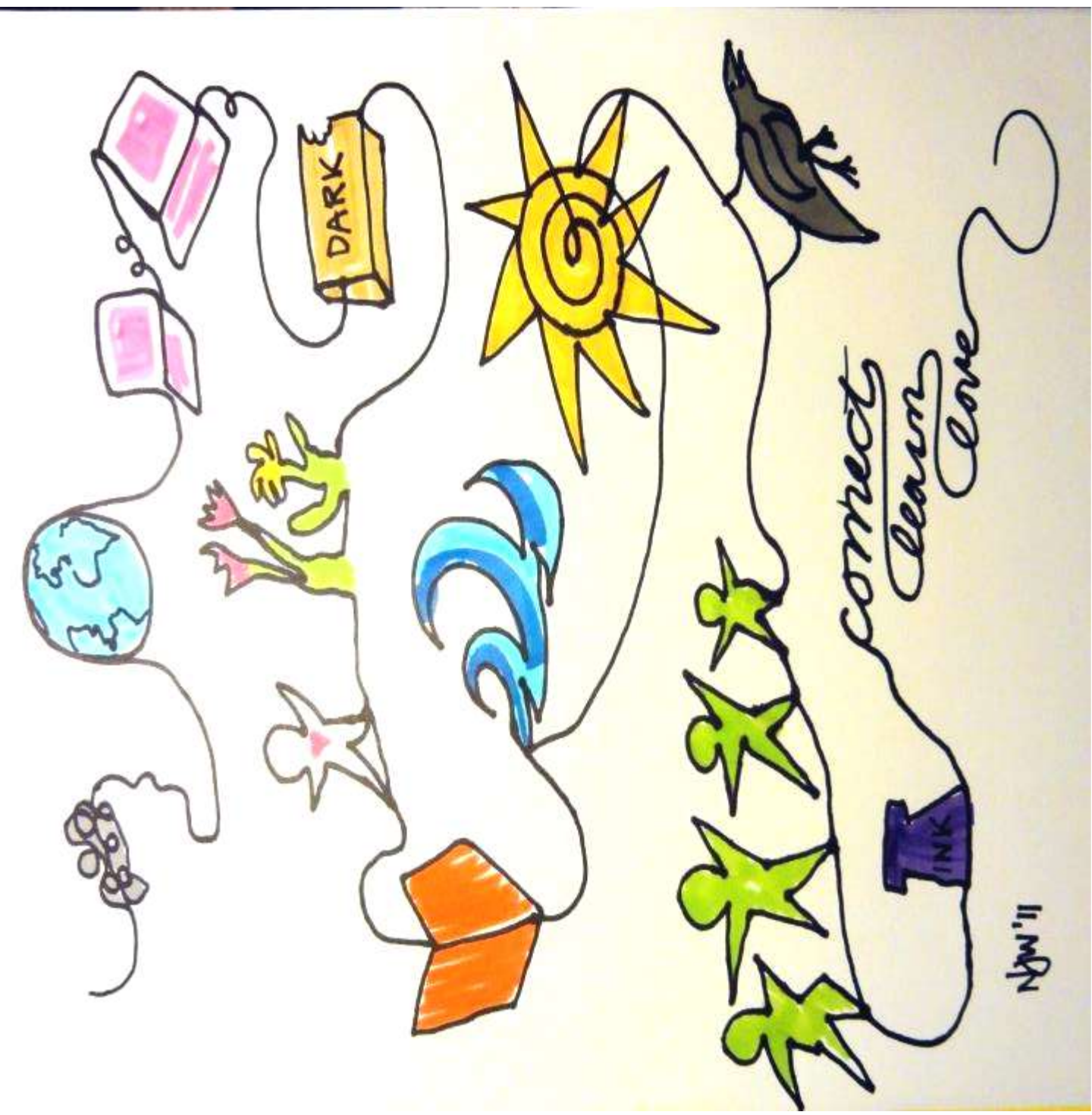


# Visual Introductions, icebreakers and agendas

**Visuals stimulate a different reaction and different initial conversation.**

- Visual self introductions
- Co drawing of faces
- Kinesthetic Modeling (John Ward)
- Visual card decks to prompt response or story
- Visual social network mapping

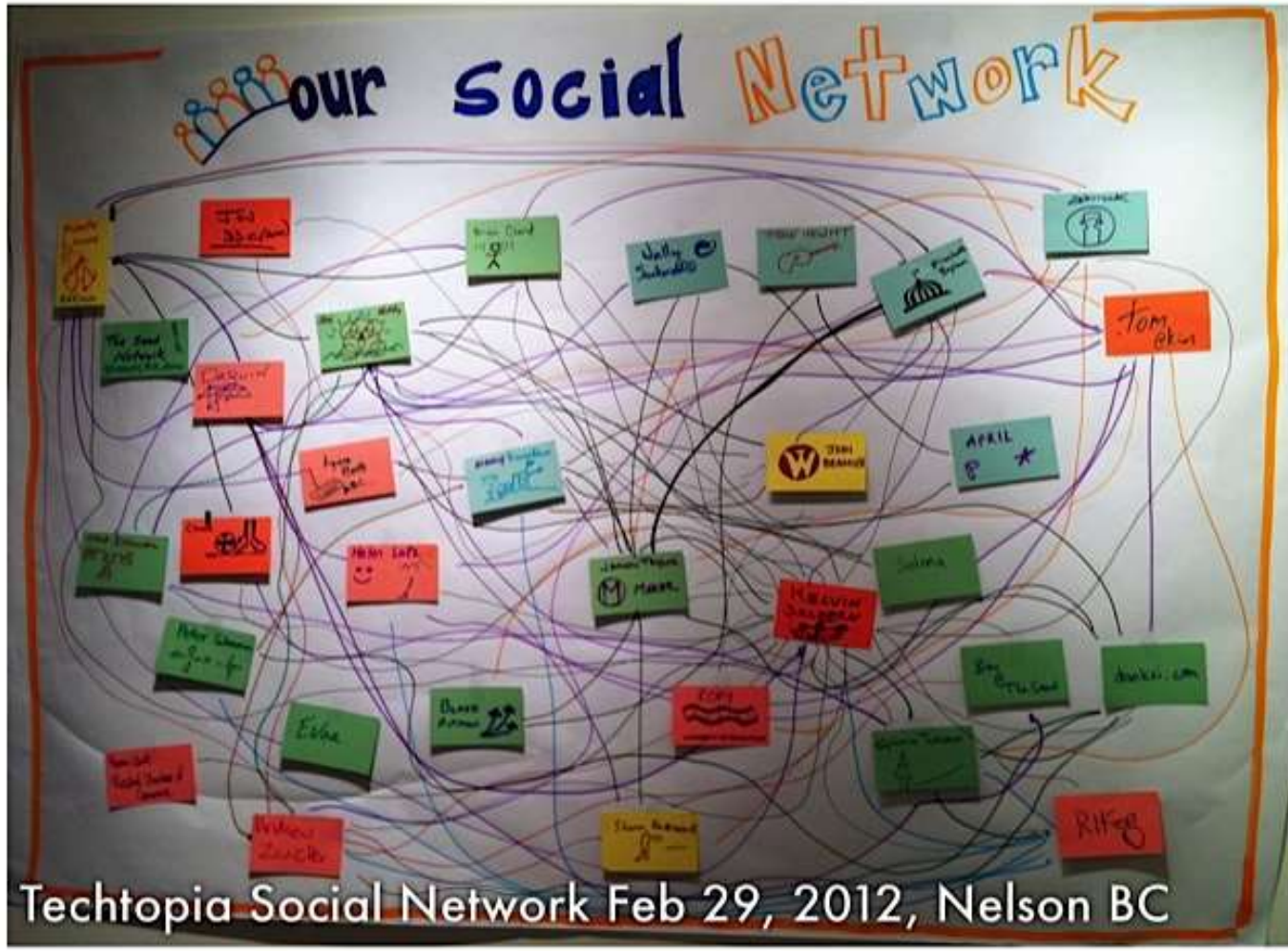
# Visual Self Introductions



Visual Introductions

ALBÉ
JanPierre
Johannes Dylr
BELLA
LUKE
FREIDTET
SERINE
LORINDA
Kathy

Kinesthetic Modeling http://manyminds.com/?page_id=30



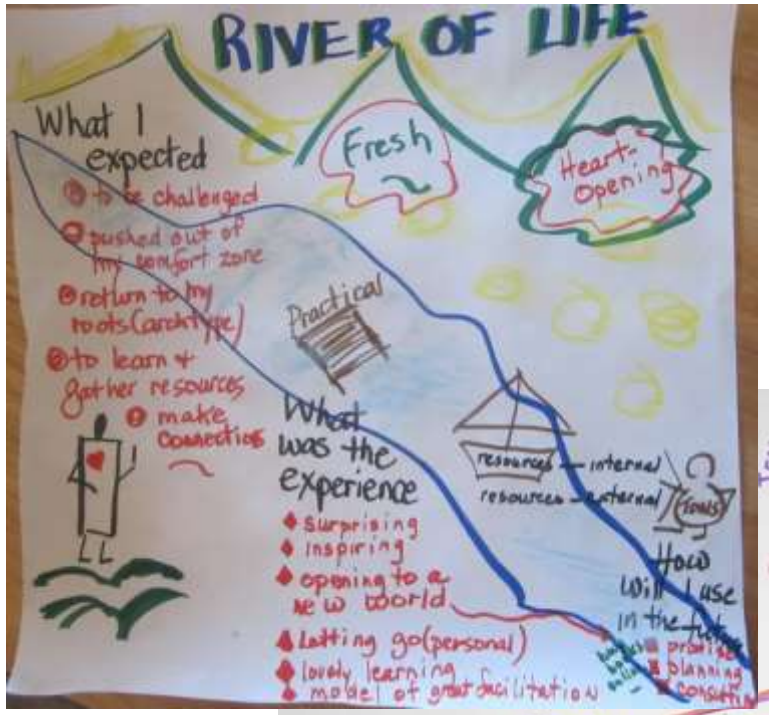

Visual social networking

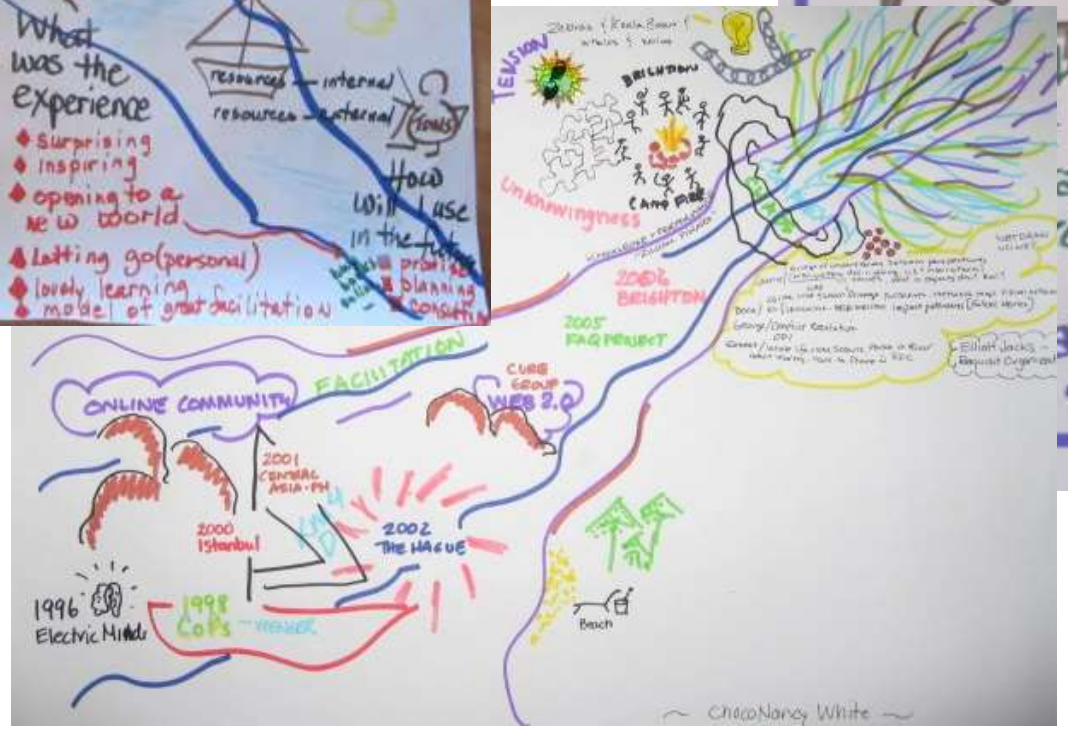
# Visual Agendas

# Collaborative visualizations: thinking and organizing ideas together

# Collaborative Visualizations

# Visual Evaluation

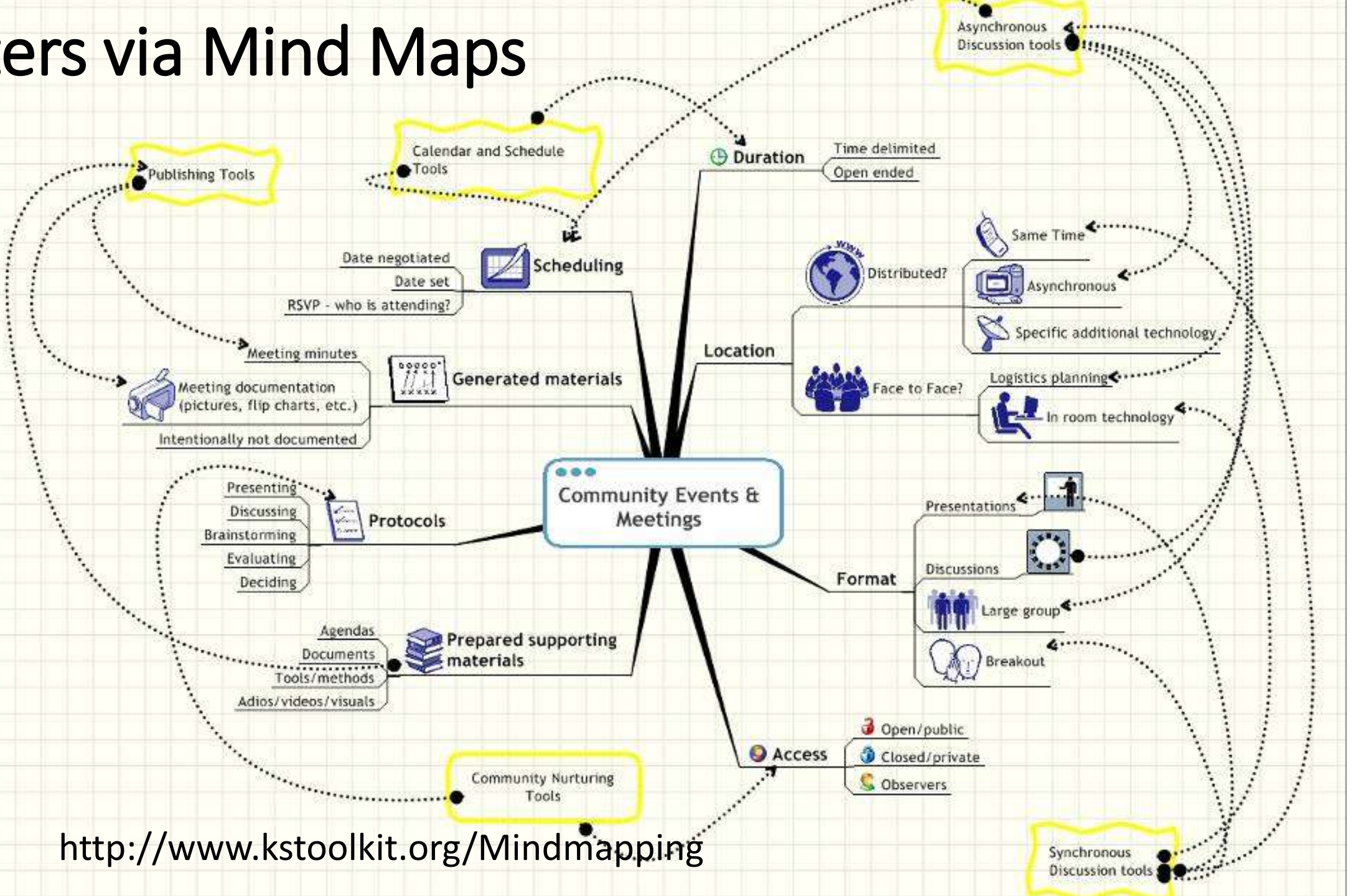


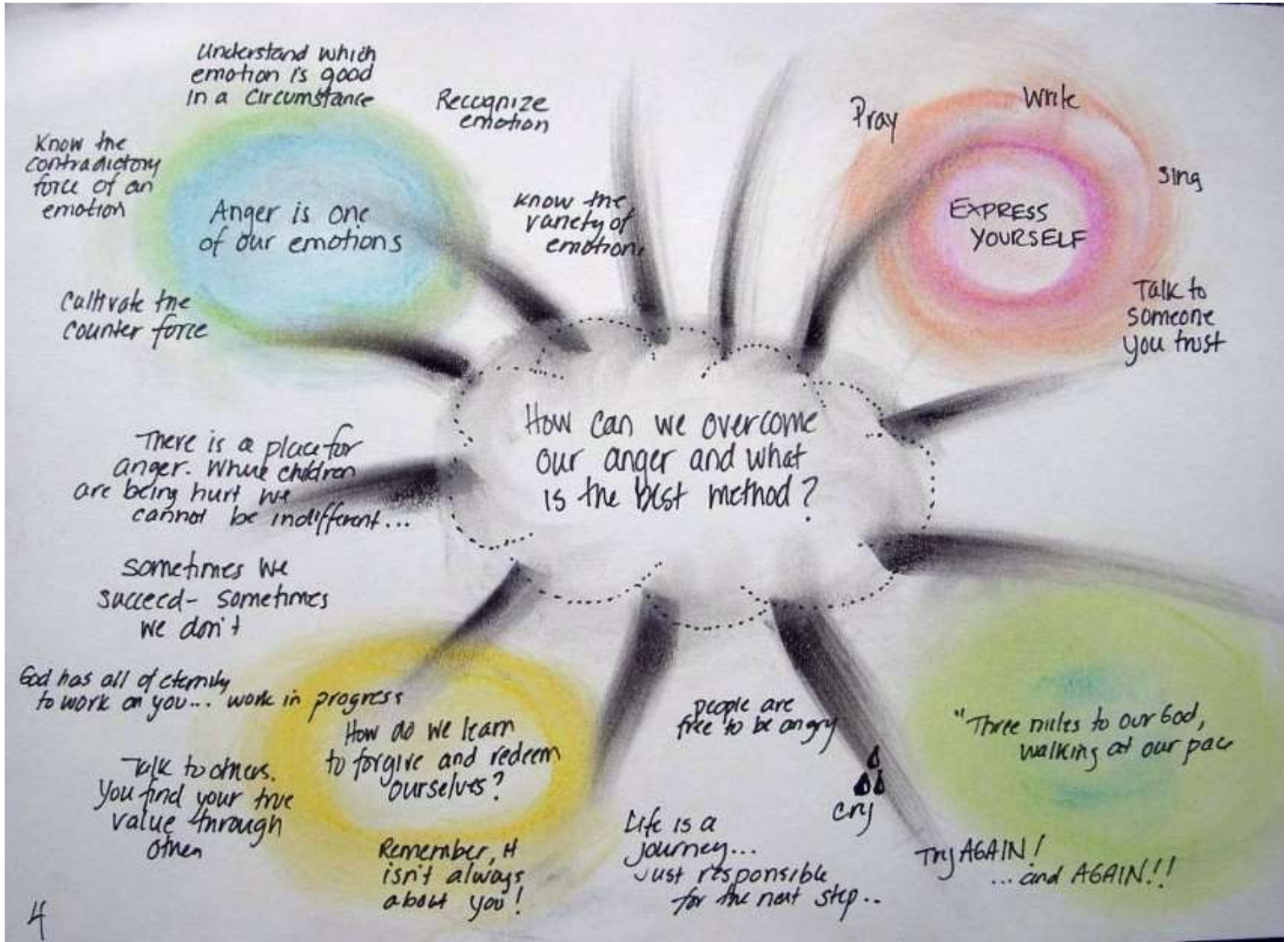
River of Life

# Card Sorting

# Clusters via Mind Maps

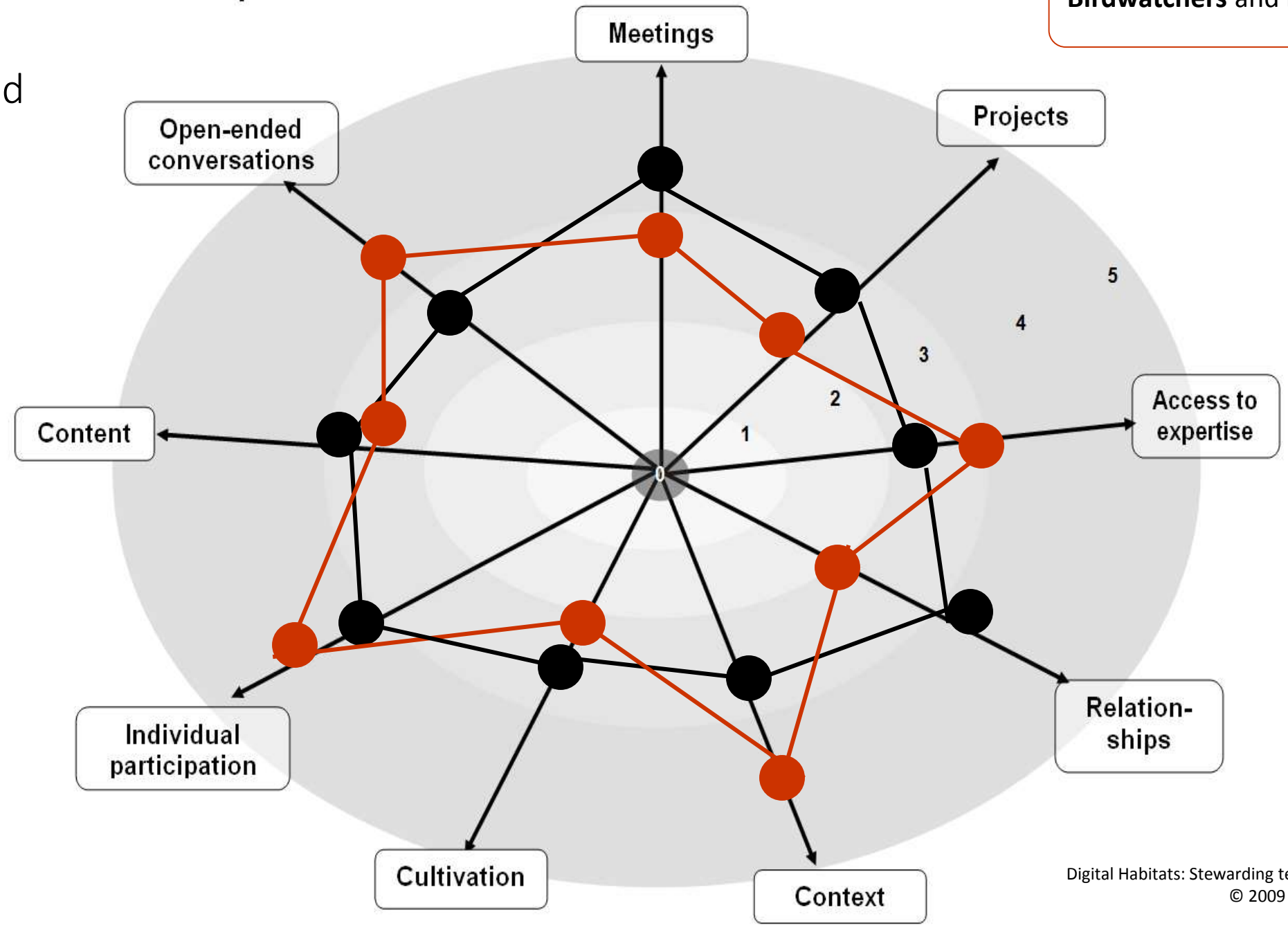



http://www.kstoolkit.org/Mindmapping


How can we overcome our anger and what is the best method?
Understand which emotion is good in a circumstance
Recognize emotion
Know the contradictory force of an emotion
Anger is one of our emotions
know the variety of emotions
Cultivate the counter force
Pray
Write
Sing
EXPRESS YOURSELF
Talk to someone you trust
There is a place for anger. While children are being hurt we cannot be indifferent...
Sometimes we succeed- sometimes we don't
God has all of eternity to work on you... work in progress
How do we learn to forgive and redeem ourselves?
Talk to others. You find your true value through others
Remember, it isn't always about you!
people are free to be angry
cry
Life is a journey... just responsible for the next step..
"Three miles to our God, walking at our pace
Try AGAIN! ...and AGAIN!!
4

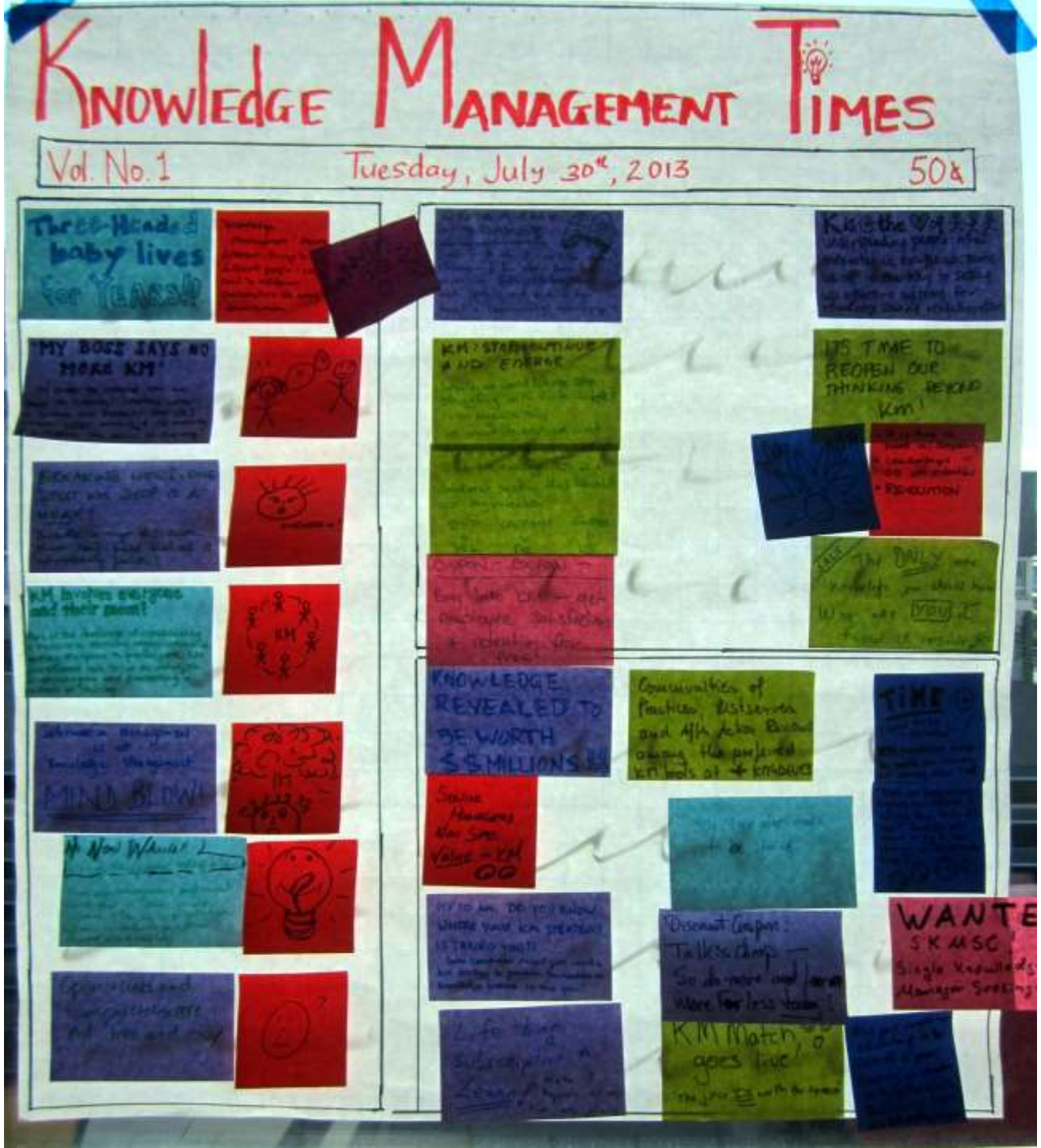
Spidergrams for planning, evaluating and reflecting on priorities

Comparison:
**Birdwatchers** and **KM4Dev-ers**

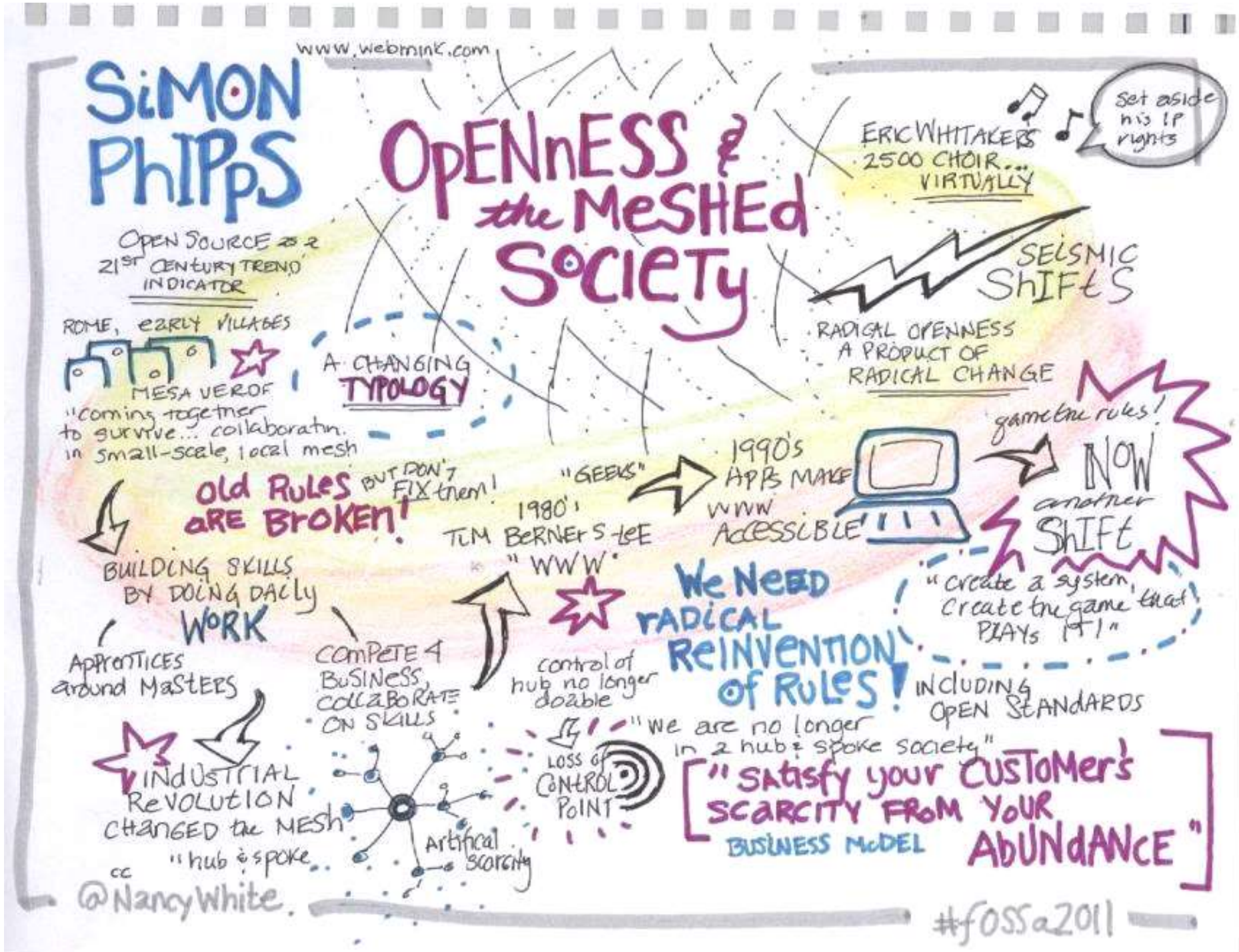



Base material from:
Digital Habitats: Stewarding technology for communities
© 2009 Wenger, White, and Smith

Ahas! Insights
KM4DeV 2013
Trip Report
New/Reconfigured??
Rich = more!! = Relationships
= Actions =
WE HAVE SHARED CHALLENGES
SINGULAR CHALLENGES!
Safe Space
We Need MORE Radical IdEas!
SHARING for a Specific PURPOSE
DISCOVERING KM4dev!
M+E = BIG ISSUE
RECA's Bangladesh Experience
Ø simple answers KM is Complex
KM ≠ SILVER BULLET
MY COP MAY NEVER BE a COP
©OPEN ACESS = HUGE CHANGE
from World Cafe
KM is a STYLE
Graphic facilitation is COOL
SOCIAL is Bring HUMAN dimension ONLINE!
Defining KM 4 YOUR ORG
KM is I means to TRANSFORMATION
We ♡ FACILITATION
From
How do WE MOVE FORWARD as a COMMUNITY?
WHY NOT TALKING ABOUT FEAR of CHANGE & LOSING IDENTITY
How do we INCREASE OUR FOCUS WITH LESS JARGON?
WHERE IS ADULT LEARNING & DEVELOPMENT?
I'M not ALONE!
From "looking 4 tools" to "NEW CONCEPTS"
New PERSPECTIVE on COPS
GOT ME THINKING!
WE ARE GOING in RIGHT direction
OUR PRACTICE confirms theory
How DO I KEEP MANAGEMENT @ Bay while still INSPIRING INSPIRATION?
How much TENSION there is in US (this group) between
Too much MANAGEMENT, Not enough Knowledge
CREATION, Art, go-with-flow ⟺ Systematic, Data/Rigor coordination
From knowing what a COP is, to figuring out PURPOSE
WHAT ABOUT TIME? efficiencies... linkages
Balancing EXTERNAL funding w/ INTERNAL motivation
DONORS ✚ RESEARCHERS ✚ PRACTIONERS
PLENTY!
Peer COP MANAGERS
WHO IS IN SPACE
HEALTH MEETS AG
Old friends or New?
©Met new People! Resource People!
SEATTLE PEEPS!
FACES & LISTENING NAMES
DONOR PRESENCE
OD'UH YEAH!
F/U on CASES
Fund/build KM into projects
SHARE KM Strategy
Inform BROADER VISION
GET ACTIVE on KM4DeV
DEV. Alt framework for M+E
Bring KM communities together
Follow up? KM/S Resources?
HOW do we include loop LEARNING INTO OUR WORK + OBJECTIVES?
FOCUS RESOURCES BETTER TOWARDS
START New KM Job/plan
GET CHAMPION in Mgmt
TAKE Graphic facilitation Course
CRS internal f/u mtg
KM ≤ CAPACITY DEV, M+E, POLICY
START Capitalization experience thread
Follow up Policy-KM linkages
©Nancy White
SEATTLE • KM4Dev 2013


KNOWLEDGE MANAGEMENT TIMES
Vol. No. 1
Tuesday, July 30th, 2013
50¢
Three-Headed baby lives for YEARS!!
"MY BOSS SAYS NO MORE KM"
KM involves everyone and their mom!
KM
MIND BLOWN
KM: STARTCONTINUE AND ENERGIZE
ITS TIME TO REOPEN OUR THINKING BEYOND KM!
KNOWLEDGE REVEALED TO BE WORTH $$ MILLIONS
Communities of Practices, Ristserves and Affs Action Reviews among the preferred KM tools at KNOWDEVES
TIME
Discount Coupon: Talkes cheap — So do more and for all More for less today!
KM Match goes live!
WANTE
SK MSC

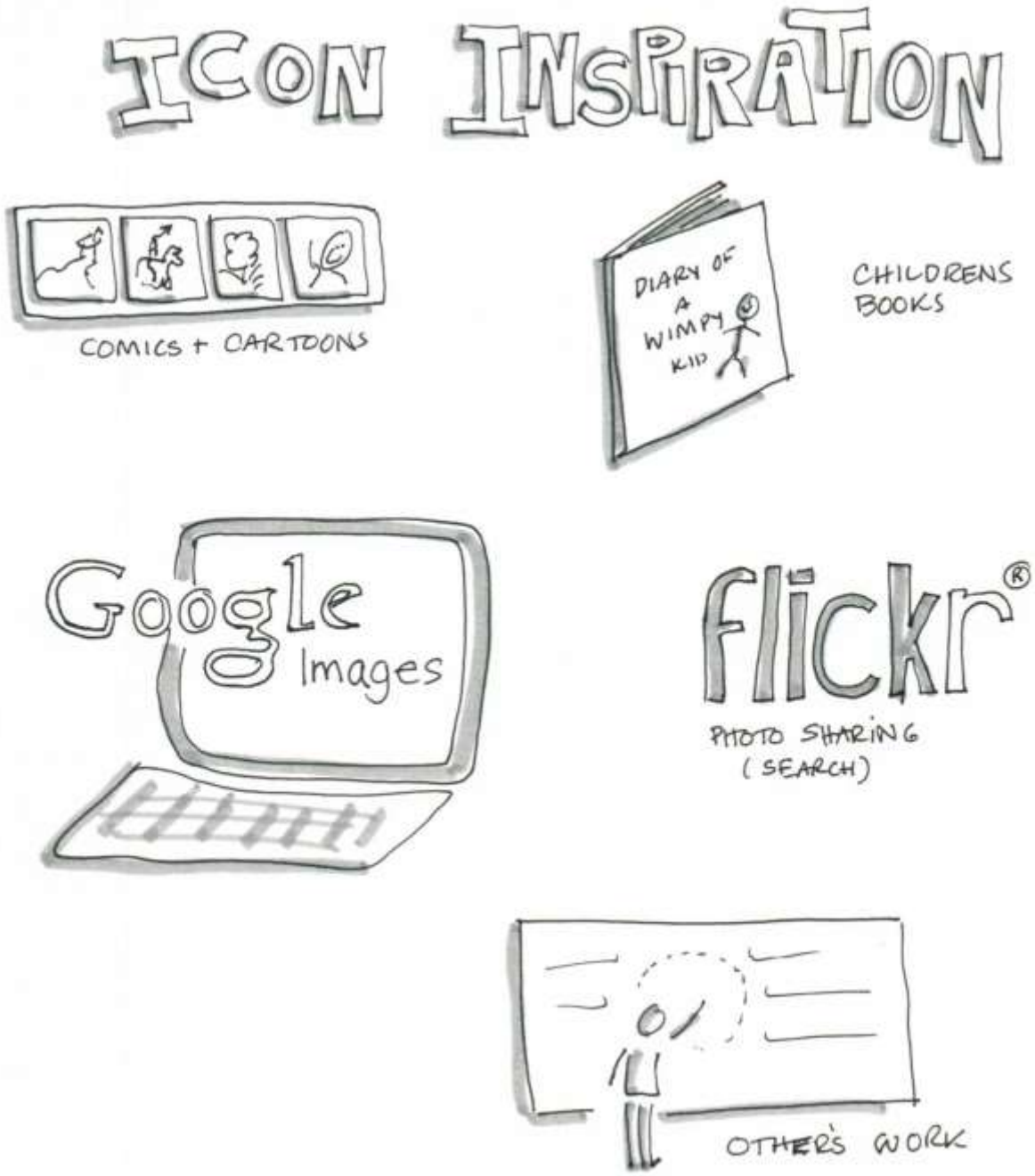
# Sketchnotes



We can learn a lot from the field of improvisation…

# Icons & visual vocabulary Inspirations

http://www.pinterest.com/slls01/graphic-recording-facilitation-for-rosviz/
http://www.pinterest.com/janoestreich/graphic-facilitation/
http://www.pinterest.com/nancywhite/visual-stuff-ideas-materials-etc/
http://www.pinterest.com/nancywhite/sketchnotes/
http://www.pinterest.com/slls01/graphic-recording-facilitation-for-rosviz/
http://www.verbaltovisual.com/8-ways-to-organize-your-growing-visual-vocabulary/
http://thenounproject.com/
http://jeannelking.com/?s=good+enough+drawing+tutorial



# More

- https://onlinefacilitation.wikispaces.com/Visual+Work+and+Thinking
- http://www.fullcirc.com (Nancy's blog)
- http://del.icio.us/choconancy/visual_thinking
- Flickr Graphic facilitation tag http://bit.ly/UIpjTx
- http://www.ifvp.org (International Forum of Visual Practitioners)
- Brandy Agerbeck's book http://amzn.to/UIoWbN
- More books! http://bit.ly/UIp4I5