

## How to label entities

- Sentences where coreference resolution failed and entities became mixed up are fully ignored and skipped
- types of entities to be annotated (even though all are labeled as "entity"):
  - o institutions (e.g., "white house"),
  - o persons (e.g., "President Joe Biden", "Alla", "an Ukrainian soldier"),
  - o organizations (e.g., "NATO", "EU")
  - o corporations (e.g., "Adidas", "Microsoft")
  - o geographical locations (e.g., "Germany", "Donesk region")
  - o political events (e.g., "Protests", "2nd Confidence vote")
  - o laws, policies, and rights (e.g., "Qatari laws", "local laws")
- some things are not entities:
  - o non-political objects  
(e.g., A 23-million-year-old fossil is taken away by parties unknown  
-> parties unknown = entity, a 23-million-year-old fossil != entity)
- 's is not part of an entity if at the end of the entity (e.g., Putin's speech at G20 ... -> Putin = entity, G20 = entity)
- Articles are part of entities (the same people as before -> the same people = entity)
- descriptive adjectives are part of entities (e.g. viral WeChat posts criticize tough covid policies -> "viral WeChat posts", "tough covid policies")

## CAMEO Codebook – Relations

Oriented on D. J. Gerner, P. A. Schrodtt, and O. Yilmaz, "Cameo conflict and mediation event observations event and actor codebook," Available at <http://data.gdeltproject.org/documentation/CAMEO.Manual.1.1b3.pdf> (2020/05/22), 2012, unpublished Manuscript.

## How to label relations

- in case of bidirectional relations (e.g. Marcon-Schulz meetup in Paris; Consult), mark both directions as separate relations (Macron, consult, Schulz & Schulz, consult, Macron)
- in case a public statement is about same entity multiple times, it is sufficient to mark the relevant entity once

Type of Relation	Meaning	Examples
Make public statement	All public statements not falling in other categories Includes but isn't limited to: <ul style="list-style-type: none"><li>- Decline comment</li><li>- Make pessimistic or optimistic comment</li><li>- Consider policy option</li><li>- Claim or deny responsibility or acknowledgement</li><li>- Reject accusation</li><li>- Engage in symbolic act</li><li>- Express accord</li></ul>	1) "President Reagan and Egyptian President Hosni Mubarak agreed today there was an urgent need for progress towards a Middle East settlement" 2) "Secretary-General Boutros Boutros-Ghali on Saturday expressed condolences to the United States for the death of three American diplomats." 3) "The government of Liberia denied on Thursday charges by Ivory Coast that Monrovia is committing genocide"
Appeal	All requests, proposals, suggestions and appeals. Includes but isn't limited to: <ul style="list-style-type: none"><li>- Appeals for cooperation (economic, military, judicial, ...)</li><li>- Appeals for aid</li></ul>	1) "Kenyan President Daniel Arap Moi on Monday urged Uganda to to repatriate "all Kenyan criminals hiding there" to face trial, accusing them of killing Kenyan policemen in cross-border raids recently."

		2) "U.S. President George W. Bush said Friday that he will tell Japanese Prime Minister Junichiro Koizumi that Japan needs to enact significant economic reforms."
Express intent to Cooperate	Offer, promise, agree to, or otherwise indicate willingness or commitment to cooperate. Includes but isn't limited to: - Economical cooperation & aid - Military cooperation & aid - Judicial cooperation & aid - Diplomatic cooperation & aid - Negotiations	1) "Senior Hungarian and Romanian officials agreed on Wednesday that their countries should cooperate to encourage Romanian refugees in Hungary to return home." 2) "Portugal will support Turkey's efforts to become a full member of the European Community, Portuguese President Mario Soares said"
Consult	Consultations and meetings. Includes but isn't limited to: - Discussion by phone - Make a visit - Host a visit - Meet at a "third" location - Engage in mediation - Engage in negotiation	1) "U.S. Secretary of State Warren Christopher telephoned Russian Foreign Minister Andrei Kozyrev on Tuesday to discuss efforts to forge a peace settlement in former Yugoslavia, Itar-Tass news agency said" 2) "Israel and Lebanon renewed negotiations today on an Israeli troop pullback from Lebanon and their future relations."
Engage in Diplomatic Cooperation	Initiate, resume, improve or expand diplomatic, non-material cooperation or exchange. Includes but isn't limited to: - Praise or Endorse - Defend verbally - Rally support on behalf of - Grant diplomatic recognition - Apologize - Forgive - Sign formal agreements	1) "A top U.S. official today praised Haiti's efforts to improve its record on human rights and said it was an important partner for the United States." 2) "Saudi Arabia has mobilized pressure groups in the United States to help support the rights of Palestinians in their struggle against Israel." 3) "Argentina has apologized to Brazil for one of its gunboats intercepting a Brazilian ship in the Beagle Channel, disputed by Argentina and Chile."
Engage in Material Cooperation	Initiate, resume, improve or expand material cooperation or exchange. Includes but isn't limited to: - Cooperate economically - Cooperate militarily - Judicial cooperation - Share intelligence or information	1) "European foreign direct investment flows in Latin America and the Caribbean rose more than eightfold" 2) "Zambia extradited suspected British militant Haroon Rashid Aswad to Britain on Sunday, a senior Zambian government official said."
Provide Aid	Provisions, extensions of material aid. Includes but isn't limited to: - Monetary aid and financial guidance - Military aid - Humanitarian aid - Military protection & asylum	1) "The United States continued to send arms to Pakistan last year, a State Department Spokesman said Wednesday." 2) "U.N. helicopters evacuated the wounded from the besieged Bosnian town of Gorazde on Friday"
Yield	Yieldings and concessions Includes but isn't limited to: - Ease sanctions and restrictions - Ease political freedoms - Ease bans on political entities - Ease political dissent - Accede to demands - Return, release of persons or property - Allow for humanitarian actions - Demobilize armed forces - Retreat or surrender militarily	1) "The Nigerian Union of Teachers (NUT), the umbrella union for primary school teachers, announced Thursday that it has called off a four-day strike after deliberations with the Nigerian government." 2) "The Rwandan government on Thursday accepted demands from Hutu rebels that it initiate political reforms." 3) "Georgian President Eduard Shevardnadze resigned Sunday as the opposition threatened to storm his residence in Tbilisi."
Investigate	Investigations Includes but isn't limited to:	1) "Israel's high court opened a landmark hearing Wednesday into the legality of secret

	<ul style="list-style-type: none"> <li>- Crime &amp; corruption investigations</li> <li>- human rights abuses investigations</li> <li>- investigate military action &amp; war crimes</li> <li>- Monitoring or surveillance</li> </ul>	<p>interrogation techniques used against Palestinian detainees.”</p> <p>2) “A US national has been put under investigation in Italy for her possible role in rioting during a G8 summit in Genoa last month, Ansa news agency reported.”</p>
Demand	<p>Demands or Requires</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Demand any kind of cooperation</li> <li>- Demand any kind of aid</li> <li>- Demand political reform</li> <li>- Demand yields</li> <li>- Demand negotiations</li> </ul>	<p>1) “Some 800,000 Iraqi Kurds sought refuge in Germany last month.”</p> <p>2) “Opposition groups in Zimbabwe are demanding that President Mugabe abandon his controversial policy of land confiscations.”</p> <p>3) “Russia said on Tuesday that Sudan must return a Mi-26 helicopter that was captured by the Sudanese authorities last week.”</p>
Disapprove	<p>Disapproves, Criticize, Denounce, Accuse, Complain, Lawsuits</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Accuse of aggression or abuse</li> <li>- Accuse of crime, corruption</li> <li>- Rally opposition against</li> <li>- Find guilty or liable</li> </ul>	<p>1) “Lebanon complained to the United Nations on Tuesday over two Israeli air raids last Friday in which it said 20 people were killed or wounded”</p> <p>2) “Archbishop Desmond Tutu on Sunday called for sanctions against Nigeria in the wake of the execution of Ken Saro-Wiwa.”</p>
Reject	<p>Reject or refuse appeals and demands</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Defy norms, laws</li> <li>- Veto</li> <li>- Reject requests for rights, changes</li> <li>- Reject aid or cooperation</li> <li>- Refuse to ease dissent</li> </ul>	<p>1) “The U.S. said it would not meet hostage-takers demands to release prisoners in Iraq, including a number of females.”</p> <p>2) “Israel is opposed to French mediation in peace negotiations with Syria”</p> <p>3) “The United States on Wednesday vetoed a Security Council resolution censuring as a violation of international law its military sweep of the Nicaraguan ambassador’s home in Panama on December 29.”</p>
Threaten	<p>All threats, coercive or forceful warnings with serious potential repercussions</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Non-force threats</li> <li>- Threaten to reduce or stop aid</li> <li>- Threaten to boycott, embargo or sanction</li> <li>- Threaten to reduce or break relations</li> <li>- Threaten with restrictions</li> <li>- Threaten to halt negotiations or mediation</li> <li>- Threaten with military force</li> </ul>	<p>1) “Iran on Tuesday threatened to cut off electricity to the autonomous Azerbaijani republic of Nakhichevan over non-payment of bills”</p> <p>2) “The Hamas threatened Monday to resume terrorist activities in Israel in an escalation of the intifada”</p> <p>3) “Iraq’s interim government announced that it is prepared to impose martial law as street battles raged in central Baghdad between insurgents and security forces”</p>
Exhibit military posture	<p>Increase of alert status, mobilize power, however, not yet attacking</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Mobilizing army or police</li> <li>- Increase cyber forces</li> <li>- Weapon tests</li> </ul>	<p>1) “government of Sindh province has ordered patrols by police and paramilitary soldiers after violent protests by Muslim groups.”</p> <p>2) “North Korea has trained more than 500 computer hackers capable of launching cyber warfare against the United States”</p>
Protest	<p>Civilian demonstrations and other collective actions carried out as protest</p> <p>Includes but isn’t limited to:</p> <ul style="list-style-type: none"> <li>- Demonstrate or rally for changes or rights</li> <li>- Conduct strike or boycott</li> <li>- Obstruct passage, block</li> <li>- Protest violently, riot</li> </ul>	<p>1) “Up to 100 ethnic Albanians demonstrated on Tuesday in the Yugoslav province of Kosovo, where 24 people were killed in nationalist riots last March”</p> <p>2) “Palestinian youths resorted to throwing stones during demonstrations against the alleged human rights violations by the Israeli military, officials said on Thursday.”</p>

Reduce relations	<p>All reductions in normal, routine, or cooperative relations</p> <p>Includes but isn't limited to:</p> <ul style="list-style-type: none"> <li>- Expel or withdraw cooperation or aid</li> <li>- Halt mediations or negotiations</li> <li>- Impose embargo, sanctions, boycott</li> <li>- Reduce or stop assistance</li> <li>- Reduce or break diplomatic relations</li> <li>- Violating resolutions / agreements</li> </ul>	<ol style="list-style-type: none"> <li>1) "Switzerland said today it had expelled two Soviet diplomats based in Geneva for spying, adding to a long series of espionage scares."</li> <li>2) "Japan said on Tuesday it had halted economic aid to Yugoslavia in line with Western efforts to end the fighting there"</li> <li>3) "President Bill Clinton has imposed sanctions on the Taliban religious faction that controls Afghanistan"</li> <li>4) US has been violating the UN resolution on Iran since 2018</li> </ol>
Coerce	<p>Repression, Violence against civilians or their rights or properties</p> <p>Includes but isn't limited to:</p> <ul style="list-style-type: none"> <li>- Confiscate property</li> <li>- Impose sanctions against civilians</li> <li>- Arrest, detain</li> <li>- Attack cybernetically</li> <li>- Discrimination</li> </ul>	<ol style="list-style-type: none"> <li>1) "The British government on Monday outlawed the largest Protestant extremist organization in Northern Ireland because of what it called its direct involvement in killing in the strife-torn province."</li> <li>2) "Israeli soldiers arrested more than 100 Palestinians on Saturday in a security sweep of the Hebron area of the occupied West Bank"</li> <li>3) "North Korea has tried to hack into the computers of South Korean army officers, officials said Tuesday"</li> </ol>
Assault	<p>Use of unconventional violence</p> <p>Includes but isn't limited to:</p> <ul style="list-style-type: none"> <li>- Torture</li> <li>- Hostage taking</li> <li>- Physical assault</li> <li>- Sexual assault</li> <li>- Any type of bombing</li> <li>- (attempted) Assassination</li> </ul>	<ol style="list-style-type: none"> <li>1) "The Sri Lankan army has been holding thousands of Tamil civilian refugees as human shields in the battle zones of the southern sector of the Jaffna peninsula"</li> <li>2) „Three US servicemen were killed by an improvised explosive device outside of the Iraqi city of Basra“</li> </ol>
Fight	<p>All uses of conventional military force</p> <p>Includes but isn't limited to:</p> <ul style="list-style-type: none"> <li>- Blockades</li> <li>- Occupy territory</li> <li>- Use small arms &amp; light weapons</li> <li>- Use artillery &amp; tanks</li> <li>- Employ aerial weapons</li> <li>- Violate ceasefire</li> </ul>	<ol style="list-style-type: none"> <li>1) "Both the Phillippines military and the Moro Islamic Liberation Front are guilty of violating the ceasefire agreement signed in March 2001"</li> <li>2) "British aircraft using precision guided missiles killed 4 Iraqis in an attack on a suspected weapons supply in Basra."</li> </ol>
Engage in unconventional mass violence	<p>All uses of unconventional force that are meant to cause mass destruction, casualties and suffering</p> <p>Includes but isn't limited to:</p> <ul style="list-style-type: none"> <li>- Mass expulsion</li> <li>- Mass killings</li> <li>- Ethnic cleansing</li> <li>- Use weapons of mass destruction</li> <li>- Use chemical, biological or radiological weapons</li> <li>- Detonate nuclear weapons</li> </ul>	<ol style="list-style-type: none"> <li>1) "The Israeli army forced out on Wednesday more than 1,000 Palestinian refugees from their homes in a West Bank refugee camp"</li> <li>2) "Serb forces were engaged in ethnic cleansing in Kosovo against the majority Albanian population of the province, according to the US government."</li> <li>3) "Sudan's government is responsible for mass killings and other atrocities in the Darfur region, according to a United Nations report."</li> </ol>