

The Destruction of Aleppo: The Impact of the Syrian War on a World Heritage City

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**THE DESTRUCTION OF ALEPPO: THE
IMPACT OF THE SYRIAN WAR ON A
WORLD HERITAGE CITY**

Francesco Bandarin

Ten years of war have destroyed Syria's economic, social, and cultural structures. The country that existed in 2011 is hardly recognizable today, except for a few areas that have been preserved from destruction.¹ This chapter addresses the destruction of the World Heritage Site of Aleppo during the conflict that raged in the city from 2012 to 2016. In addition to an assessment of the physical destruction of the city's cultural heritage, housing, and infrastructure, also examined are the impact of the war on the social fabric of the city and the role played by the different national and international actors involved in the conflict. Finally, the effectiveness of international law for the protection of cultural heritage and of civilians during the Syrian war is discussed.

In 2011, Syria was already in poor economic condition, following a long global recession and a chronic inability to develop a modern industrial sector. Over half the national product came from the primary sectors—agriculture and mining—with industry representing just 3–4 percent of the total.

Within a few months of the start of the conflict, the country's economic situation declined precipitately: oil resources largely fell into the hands of the Islamic State of Iraq and Syria (ISIS, also known as ISIL or Da'esh) and the Kurdish forces, deepening a recession caused by sanctions and devastation. Meanwhile, consumer prices also rose sharply,² while the national currency, the Syrian pound, depreciated significantly, and black markets arose for essential products, further stretching people's ability to purchase essential goods.³ Most basic public social services, from health to education and social assistance, collapsed, with half of all children out of school for most of the decade. Diseases such as typhoid, tuberculosis, hepatitis A, and cholera again became

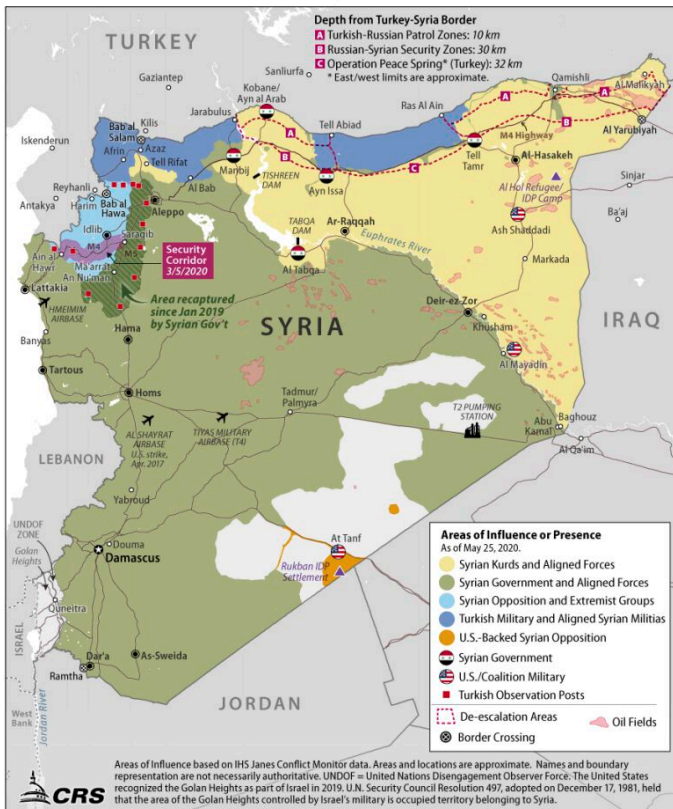
endemic, as did polio, which had previously been eradicated in Syria. The conflict has not spared the health infrastructure of the country, as half of all hospitals have suffered significant damage, especially in urban areas fought over, including Aleppo, Raqqa, Deir ez-Zor, and Idlib.

Private activities, ranging from services to commerce, arts and crafts, and transport have also suffered losses and disruption. The devastation suffered by Syria's physical infrastructure, including to residential and commercial buildings and industrial complexes, has caused a huge loss of income and pushed millions into poverty. The UN Development Program (UNDP) underlines the problem: by 2016 Syria had fallen to 173rd place on UNDP's Human Development Index, out of 188 countries.⁴

But the worst calamity has been the dispersal of the Syrian population due to the violence. In 2010 Syria had an estimated population of 21.8 million, which shrank to 20.5 million in 2015⁵ and 19.4 million in 2018. It is estimated that at least five hundred thousand people were killed and two million wounded during the war; over 6.5 million people were internally displaced, and over five million, equal to over 20 percent of the country's population, became international refugees. According to the United Nations High Commissioner for Refugees (UNHCR), the refugees are, still today, dispersed in neighboring countries and in Europe: almost 40 percent are in Turkey, 35 percent in Lebanon, and 14 percent in Jordan, with the rest in Egypt, Iraq, and Europe (mostly Germany).⁶ And as of mid-2020 this long conflict was not yet over, although fighting was limited to specific pockets of resistance, such as in Idlib Province in the northwest (fig. 10.1).

Damage inflicted on the physical infrastructure of Syria, including its monuments and historical and heritage places, has been immense due to the direct impact of war and the loss of control by the authorities over the country's vast archeological and cultural heritage. Direct damage was caused to many historical monuments and sites when they were used by armies and militias for shelter or as military outposts to control the surrounding areas.⁷ This is the case, for example, for the citadels of Homs, Hama, and Aleppo, the medieval crusader castle of Crac des Chevaliers/Qala'at al-Ḥusn, and the Qal'at ibn Ma'an fortress in Palmyra. While some monuments were damaged accidentally, such as the al-Wakfya Library in the Great Umayyad Mosque of Aleppo, many were deliberately destroyed, such as the important temples of Baal and Bal-Shamin in Palmyra, dynamited by the Islamic State of Iraq and Syria (ISIS, also known as ISIL or Da'esh) in 2013.⁸

Entire urban areas, many of them of great historical value, have been devastated: besides Aleppo (fig. 10.2), the old cities of Homs, Daraa, and Bosra have suffered heavy damage.⁹ The conflict environment also enabled looting on an unprecedented scale. All the major archaeological sites of Syria have been subject to massive illegal excavations aimed at retrieving archaeological "treasures" to sell on the black market, including the millenary Sumerian city of Mari (Tell al-Hariri), the site of Ebla (Tell Mardikh), the Hellenistic and Roman sites of Apamea (Qal'at al-Madhīq), and Europos-Doura,



Sources: CRS using area of influence data from IHS Conflict Monitor, last revised May 25, 2020. All areas of influence approximate and subject to change. Other sources include U.N. OCHA, Esri, and social media reports.

Figure 10.1 The situation in Syria in 2020. Congressional Research Service (CRS), *Armed Conflict in Syria: Overview and US Response* (Washington, DC: CRS, updated 27 May 2020), 4. Image: Foresight Intelligence by IHS Markit

resulting in a great loss of historical and archaeological value.¹⁰ Damage to natural heritage was also significant, with many forests and oases bombed and burnt.

The War in Aleppo: A Social and Cultural Tragedy

The so-called Battle of Aleppo, one of the longest and most deadly conflicts since World War II, raged for five years, from 2012 to the end of 2016, and involved a range of actors, both on the Syrian government's side (the Syrian army, Hezbollah, other Shiite militias, Iranian government forces, and later the Russian army) and on that of the opposition (the Free Syrian Army, the Aleppo Military Council, ISIS, the Levant Front—also known as al-Jabha al-Shamiya—Jabhat al-Nusra, and the Syrian Islamic Front). Kurdish militias such as the People's Protection Units (YPG), other US-backed groups, and the Turkish army were also involved. Many of these groups were loosely organized, with frequent movements of fighters from one to another.

The war in Aleppo took place over several phases, with different degrees of destruction and impact on a civilian population that paid a very high price, affected directly by aerial bombing, shelling, snipers, mine explosions, fighting, and indirectly by food deprivation, destruction of health facilities, lack of water and electricity, and transfers to refugee camps. Humanitarian organizations involved in the conflict,



Figure 10.2 Destruction in Aleppo: The area near the citadel. Image: Francesco Bandarin

observers, and scholars¹¹ have attempted to collect information from the conflict areas, enabling an understanding of its evolution and its impact on the population, on the city's infrastructure, and on its heritage.¹² The war can be schematically divided into four phases, each of which is discussed in turn: the opposition takeover of Aleppo (2012–13), the reaction (Operation Northern Storm, 2013–14), the war of attrition (2015), and the retaking of the city (2016).

Although military operations started at the beginning of 2012 when the Free Syrian Army took control of areas in the north of the city, fighting began in July of that year, when the nearby town of Anadan was captured, opening the way to the capture of the city. The reaction of government forces was immediate and strong, involving the use of tanks, snipers, and aerial bombing, destroying many buildings and public facilities. In September, from the north and east fighting reached the Old City of Aleppo, and shelling extensively damaged the central market area of al-Madina Souk, with the loss of about a thousand shops. In October, the Great Umayyad Mosque suffered its first wave of destruction when opposition forces attacked it to expel government soldiers.¹³ By the end of 2012, government forces had lost important positions, such as Sheikh Suleiman army base to the west and the infantry school north of Aleppo, and were increasingly isolated in the city's western areas. In February 2013, ISIS captured the air defense facility near Aleppo International Airport and aerial bombing in the city intensified,

especially on its eastern side. The violence led to the first exodus of the city's civilian population, with over three hundred thousand people fleeing to Turkey and other parts of Syria. Heavy fighting took place in the Old City, as the citadel was under the control of the Syrian army.¹⁴ On 24 April 2013, the medieval minaret of the Great Umayyad Mosque was destroyed.

After having lost most of its strongholds in the Aleppo countryside by mid-2013, government forces were effectively encircled within the city, provoking a counteroffensive, Operation Northern Storm. This was launched in September, and the army, supported by allied militias, managed to retake the air defense facility from ISIS. Shelling and bombing intensified, with great impact on the civilian population. Late that year, infighting started between ISIS and other opposition forces, enabling the government to regain control of some areas of the city, including the strategic Sheikh Najjar industrial district. ISIS itself took control of villages to the north of Aleppo, consolidating its control over northern Syria. However, continued infighting allowed government forces to reorganize, break a blockade of part of the city, and further consolidate their positions. Meanwhile the situation of the population in Aleppo continued to deteriorate: by this point, over one million people had already left the fifty neighborhoods located in the eastern, opposition-held areas, mostly to escape barrel bombing and shelling, while these neighborhoods also hosted around 512,000 internally displaced persons (IDPs). Then on 8 May 2014, a massive explosion destroyed the Carlton Hotel near the citadel: the opposition had built a seventy-five-meter-long tunnel underneath it, fitted with explosives, a new tactic afterward repeatedly used against government bases in the Old City and citadel, with massively destructive effects.¹⁵

By 2015 the conflict had become a war of attrition, and, toward the end of the year, Russia increased its military support to the Syrian government and prepared to intervene directly. In October, government forces also launched a new offensive near the city to regain control of the international highway to the south and toward Kuweires military airbase to the east, which had been under siege for two years by ISIS. Both operations were successful, with Russian air support and the presence of Iranian militias proving decisive. They also accelerated the displacement of the city's population, with the evacuation of entire districts.¹⁶

These developments led to the retaking of Aleppo by the government in 2016. At the beginning of the year, a cease-fire brokered by Russia and the United States had briefly allowed life in Aleppo to take a normal turn, but the support provided by Russia, Hezbollah, and the Iranian government continued to change the military balance on the ground. Despite setbacks, by July the government had completed its encirclement of the city, cutting off the corridor linking the areas controlled by the opposition to the Turkish border. Nevertheless, the siege of the city was broken within days by an opposition counterattack on the Ramousah district, opening a way into eastern Aleppo and leading to a response by the Syrian army supported by the Russian air force. Meanwhile, opposition groups and a powerful international force started a campaign to eliminate

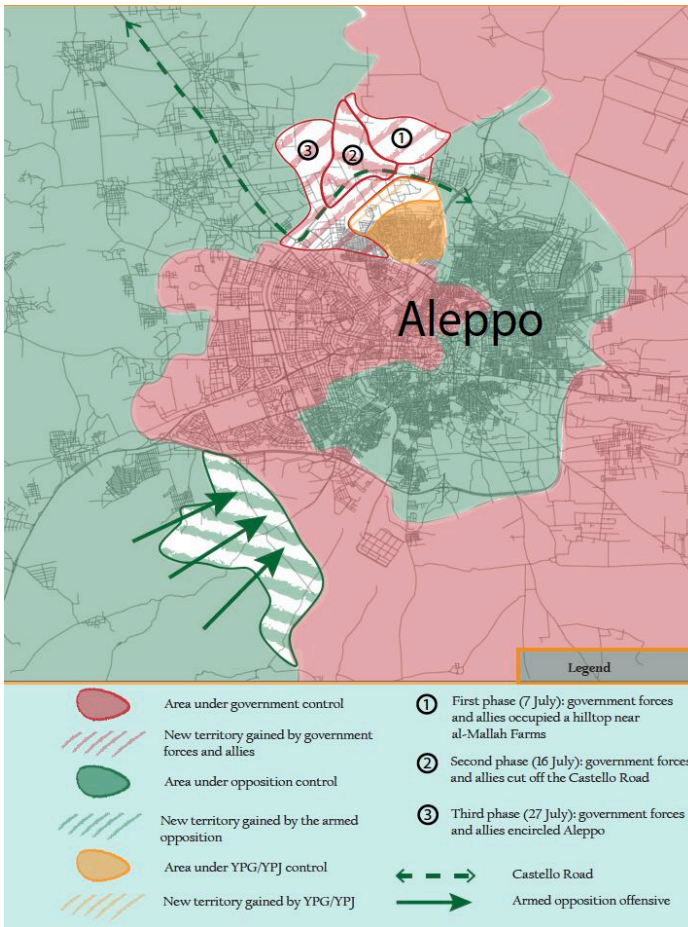


Figure 10.3 The siege of Aleppo, July 2016. Armenak Tokmajyan, *Aleppo Conflict Timeline* (Budapest: Central European University, 2016), 3. Image: Reproduced with kind permission from CEU, The Aleppo Project

ISIS from the region. This helped government forces consolidate control of northern parts of the city and again place Aleppo under siege (fig. 10.3).

After heavy bombing hit the eastern part of the city controlled by the opposition, pressure from government and allied forces gradually forced the opposition to accept a cease-fire, permitting aid delivery.¹⁷ With the mediation of Turkey and Russia, an agreement was reached to evacuate over thirty-five thousand opposition fighters, as well as part of the civilian population, and transfer them to Idlib Province, an operation carried out between 15 and 22 December 2016, effectively ending the siege and the war in Aleppo.

The Impact of the War on the Population

The population of Aleppo was estimated at around 3,078,000 on the eve of the war, in 2010. It had fallen to less than a million by 2015 at the peak of the fighting.¹⁸ Although it is difficult to know precisely the number of direct casualties from the war in the city, estimates suggest that 25,000–30,000 civilians lost their lives, with a further 10,000–15,000 casualties among combatants.¹⁹ Throughout the conflict, Aleppo was divided in two, the western side controlled by the government and the eastern side by

the opposition. Although the entire city was involved in the conflict and suffered bombing and destruction throughout, most of the fighting took place in the center, the area surrounding the ancient Aleppo Citadel, and on the east side.

The population stranded in the city endured severe hardship, with frequent cuts to the supply of water, electricity,²⁰ and food,²¹ and constant exposure to shelling and bombing. Access to healthcare and basic necessities was severely impeded, and transit between different parts of the city was almost impossible, as well as extremely risky. Hundreds of people were killed by sniper fire at the crossing between areas held by the government and the opposition, and it became increasingly difficult to transport goods through this zone. Relief provided by humanitarian organizations such as the International Committee of the Red Cross (ICRC) and the Syrian Arab Red Crescent was occasionally granted access by the different factions and food rations were delivered in both opposition and government-held areas, although this help was always limited and insufficient.²²

It is estimated that one-third of the school buildings in Aleppo were either damaged or used for other purposes during the conflict, such as shelter for displaced persons. Frequent bombing and casualties among teachers and children forced many schools to close or drastically reduce activities. At one point, only 6 percent of children were attending classes, a situation that prompted the United Nations Children's Fund (UNICEF) to declare Syria's children a "lost generation."²³

Various aspects of the city's medical services were severely impacted. The city's blood bank was bombed in 2012, leaving the city without blood supplies.²⁴ By late 2014 all the major hospitals in Aleppo had suffered damage and were forced to cut services, leaving only forty doctors left in Aleppo to serve the needs of over a million people, compared to two thousand before the war. Indeed, the World Health Organization (WHO) ranked Syria as the most dangerous place in the world for health workers.²⁵ The lack of vaccinations favored the resurgence of infectious diseases, while poor hygienic conditions favored a recurrence of cholera, and the destruction of pharmaceutical plants resulted in a critical shortage of medicines and supplies for a variety of diseases, ranging from diabetes to epilepsy, hypertension, asthma, and cancer.²⁶ As a result of all this, life expectancy in Syria dropped by twenty years, to fifty-five.

By mid-2016, most of the population of eastern Aleppo had fled, but still an estimated 250,000 people remained under siege.²⁷ Aerial bombing became particularly intense in the last phase of the war, leading to a dramatic worsening of the condition of the civilian population.²⁸

The Impact of the War on Urban Infrastructure and Cultural Heritage

Five years of conflict left Aleppo in rubble. The fighting and bombing campaigns at different stages of the war, with a huge spike in 2016, severely affected housing, commercial and industrial buildings, public services, infrastructure, and the city's monuments and historical districts.

Assessment of physical damage was carried out during and after the war by the World Bank for the entire urban infrastructure, by UN-Habitat in 2014, and by the UN Institute for Training and Research (UNITAR) in 2016 for the building stock, and by the United Nations Educational, Scientific and Cultural Organization (UNESCO), UNITAR, and the Aga Khan Trust for Culture (AKTC) in 2017 for the monumental areas of the city.²⁹

Aleppo's thermal power plant, the largest in the country and the main source of electricity for 60 percent of the population, remained in the hands of the opposition until recaptured by government forces in February 2016, resulting in significant damage and gradually putting it out of commission. As a consequence, from that point on eastern and southern Aleppo received no power from the public network, while the western part of the city had only two to three hours of service per day. In the latter area, traditionally more affluent, private generators, solar panels, and makeshift wind powered turbines partially compensated for the lack of power distribution, but at an increasingly high cost. The water distribution infrastructure was also badly damaged, with major interruptions due to shortages of fuel and electricity, although limited repairs were possible during the war, reestablishing some service to the city. Households often had to rely on wells or water trucks, with increasing health-related risks. The sewage treatment plant was not damaged, but suffered stoppages for lack of power. An initial estimate by the World Bank of damage to the city's infrastructure indicates that it quadrupled from 2014 to 2016, to almost \$8 billion.³⁰

Arguably the most significant damage was to residential buildings. The city had 720,000 housing units in 2011, mostly in multistory buildings, largely in private ownership. About 50 percent of the units were abandoned during the war due to damage, lack of basic services, and security. The greatest destruction occurred in the more densely populated and poorer eastern districts, where most of the aerial attacks were concentrated. Here, most of the housing is of an "informal" nature, built in areas of uncertain land tenure. Most of the commercial buildings in these districts were also damaged and over 70 percent of industrial structures damaged or destroyed. A 2018 report by UNITAR and UNESCO, at the end of 2016 documented damage to more than 33,500 structures in Aleppo.³¹ The intensity of structural damage varied from a maximum of 65 percent in the central al-Aqabeh neighborhood to 50 percent in the periphery.³² Figure 10.4 shows a map of the intensity of damage in different parts of the city in September 2016, before the final fight for control, characterized by massive aerial bombing.

The areas surrounding the citadel suffered heavy damage due to shelling, aerial bombing, and tunnel bombs placed beneath buildings.³³ The more significant losses resulting from the conflict are concentrated to the southeast of the citadel, and include, among other structures, the Madrasa al-Sultaniyya (built in 1223), the al-Khusrawiyya complex (1531–34) designed by Mimar Sinan, the al-Adiliyya Mosque (1553), and the al-Utrush Mosque (1398). Some of the most important historical caravanserais or inns,



Figure 10.5 The destroyed New Saray. Image: Francesco Bandarin

against the Syrian government, which have prevented foreign investment and the transfer of resources to the country.³⁷

Conclusion: Lessons for the Protection of Culture in Armed Conflict

The effectiveness of the international system of protection for populations and cultural heritage during conflict is put into question by the immense suffering the civil war imposed on the population of Aleppo and the massive damage suffered by a world heritage city of such importance, not to mention the damage suffered by other historical cities such as Homs and Bosra and archaeological sites of global significance, including Palmyra, Apamea, Mari, and Ebla. Yet the United Nations system has, in the post-World War II period, developed tools to address situations of this nature.³⁸ For cultural heritage protection, the main tools are the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict, the 1970 Convention on the Means of Prohibiting and Preventing the Illicit Import, Export and Transfer of Ownership of Cultural Property, and the 1972 Convention Concerning the Protection of the World Cultural and Natural Heritage.

The 1954 Hague Convention introduced very specific obligations for its signatories, to prevent and limit damage to movable or immovable cultural heritage (including “groups of buildings which, as a whole, are of historical or artistic interest”) and more generally to buildings dedicated to cultural activities (museums, libraries, archives, etc.). The convention applies also to “conflicts not of an international character.” Syria is a



Figure 10.6 Damage to the Great Umayyad Mosque of Aleppo, including damage to the minaret. Image: Francesco Bandarin

signatory to the convention (although not of its First and Second Protocols), as are all the other states directly or indirectly involved in the conflict. It obliges state parties to respect cultural heritage by avoiding its use for military purposes (Article 4.1) and by preventing acts of theft and pillage of cultural properties (Article 4.3). Nonstate actors are also bound to apply its provisions (Article 19.1). Even sanctions are foreseen in case of breach of the convention (Article 28). However, at no time during the conflict in Syria, and in particular in Aleppo, has the Hague Convention been implemented, respected, or applied by the actors involved. While the 1970 convention has been implemented to intercept looted Syrian antiquities, observers agree that its impact on the illicit trade has been very limited. The 1972 convention has no provision for situations of conflict, but it calls for international cooperation for the preservation of World Heritage Sites. All states involved in the conflict are signatories of the 1972 convention and were therefore obliged to limit the damage they caused to Aleppo.

The UN Security Council has acted to protect Syrian cultural heritage by adopting two resolutions, 2199 of February 2015 and 2347 of March 2017, the latter of which “condemn[ed] the unlawful destruction of cultural heritage, including inter alia the destruction of religious sites and artefacts, as well as the looting and smuggling of cultural property from archaeological sites, museums, libraries, archives, and other sites ... notably by terrorist groups” (para. 1).

In spite of these and other important appeals, no effective response mechanism to limit the destruction of cultural heritage was put in place during the conflict. In 2013, UNESCO’s World Heritage Committee inscribed all six Syrian World Heritage Sites (Damascus, Aleppo, Palmyra, the Crac des Chevaliers, the Ancient Villages of Northern Syria, and Bosra) on the World Heritage in Danger List, but, again, little concrete help was provided. In fact, most Western countries applied sanctions to Syria that prevented the transfer of money and technical assistance, even for cultural heritage protection, a situation that has changed only in 2021. During the conflict, the only help came from the European Commission, a European Union body, which financed a multiyear project, implemented by UNESCO and by the International Centre for the Study of the Preservation and Restoration of Cultural Property (ICCROM), to provide support for the conservation of Syrian sites, although most of the activities were carried on outside the country.³⁹ However, this project was not extended after its completion in 2020.⁴⁰

Similar observations could be made in relation to the implementation of humanitarian laws in the event of armed conflict, in particular the fourth Geneva Convention of 1949, which has been ratified by all states in the conflict (in fact by all states worldwide). It is clear that these treaties have revealed major shortfalls in providing protection to the population and to cultural heritage during a conflict of a non-international nature such as the Battle of Aleppo.

UNESCO has worked in the past few years to address the weakness of the present system of international heritage protection by launching important initiatives.⁴¹ It is clear, however, that awareness-raising is not sufficient: to increase heritage protection during conflict, existing mechanisms need to be substantially reinforced through a more systematic integration of cultural protection in humanitarian interventions and a greater involvement of military forces. Recent examples of successful operations (such as that of the UN Multidimensional Integrated Stabilization Mission in Mali (MINUSMA), created in 2013) show that it is possible to embed cultural heritage protection into military operations. Indeed, Security Council resolution 2347 linked the protection of cultural heritage to the maintenance of peace and security, suggesting that peacekeeping operations could be mandated to carry out such tasks. In 2018, the European Union Common Security and Defence Policy endorsed the “protection of cultural heritage” as a line of operation for missions.

This approach should at a minimum be extended to all UN peacekeeping missions where sites of cultural significance are located, while the current trend seems to go in the opposite direction. A more active role for humanitarian organizations, such as the

Red Cross, should also be promoted, and financial support provided to expand their role for cultural heritage protection during protracted conflicts. Short of this, during conflict, the protection of cultural heritage, an essential constituent of social identity and cohesion, will remain in the realm of good-will declarations.

SUGGESTED READINGS

Leila Amineddoleh, “The Legal Tools Used before and during Conflict to Avoid Destruction of Cultural Heritage,” *Future Anterior* 14, no. 1 (2017): 37–48.

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11. There have been several groups monitoring the Syrian conflict, supported by international organizations (see reports by UNDP, UNICEF, UNHCR, UN-Habitat, UNESCO, UNITAR, and the World Bank), governments (including reports by the United States Agency for International Development or USAID, the US Congress, the Atlantic Council, and the International Institute for Environment and Development), and nongovernmental organizations (NGOs) and research organizations (e.g., Caerus, the Shattuck Centre, the Syrian Center for Policy Research), to mention but a few.
12. Keith A. Grant and Bernd Kaussler, "The Battle of Aleppo: External Patrons and the Victimization of Civilians in Civil War," *Small Wars & Insurgencies* 31, no. 1 (2020): 1–33; Armenak Tokmajyan, *Aleppo Conflict Timeline* (Budapest: Central European University, 2016); David Kilcullen, Rosenblatt Nate, and Qudsi Jwanah, *Mapping the Conflict in Aleppo, Syria* (Washington, DC: Caerus Associates, 2014); and Reuters, "Timeline: The Battle for Aleppo," 14 December 2016.
13. The opposition groups were part of Liwa al-Tawhid, the largest of the two coalitions forming the Aleppo Military Council (AMC), which led the battle for the city. At some point, the AMC had between eight thousand and ten thousand fighters, and another ten thousand noncombat members.
14. On 1 October 2014, UNESCO director-general Irina Bokova stated that, as a signatory to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict, Syria was obliged to safeguard its heritage from the ravages of war. See Oliver Holmes, "Fighting Spreads in Aleppo Old City, Syrian Gem," Reuters, 1 October 2012.
15. Martin Chulov, "Bomb under Hotel Signals New Focus of Syrian Oppositions, with Struggle for City Likely to Be Final Showdown," *Guardian*, 8 May 2014.
16. Tom Miles, "United Nations Says 120,000 Displaced in October," Reuters, 26 October 2015.
17. According to the Syrian Network for Human Rights (SNHR), Aleppo was hit by 4,045 barrel bombs in 2016, with 225 falling in December.
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19. These are the victims documented by the Violation Documentation Center in Syria (VDC), an NGO that attempts to document civil rights violations in the country. See VDC, "Monthly Statistical Report on Casualties in Syria: March 2020," <https://vdc-sy.net/monthly-statistical-report-casualties-syria-march-2020-en/>.
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28. These are very uncertain figures, varying from over three hundred thousand down to around 130,000, according to different sources (e.g., the UN and the local council of Aleppo). Attempts to provide humanitarian help to the population besieged in eastern Aleppo failed on two occasions in 2016 (March and July) when UN convoys to the area were authorized to provide for a lower number of beneficiaries (sixty thousand), but in the end they were not delivered. See Annabelle Böttcher, "Humanitarian Aid and the Battle of Aleppo," News Analysis, Center for Contemporary Middle East Studies, University of Southern Denmark, January 2017.
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31. UNESCO and UNITAR, *Five Years of Conflict*. For a comprehensive analysis of damage to Syrian cities, see REACH and UNITAR, *Syrian Cities Damage Atlas: Thematic Assessment of Satellite Identified Damage* (Châtelaine, Switzerland: REACH, March 2019). See also UN-Habitat, *City Profile, Aleppo: Multi Sector Assessment* (Damascus: UN-Habitat, May 2014).
32. Francesco Bandarin, "The Reconstruction and Recovery of Syrian Cultural Heritage: The Case of the Old City of Aleppo," in *Collapse and Rebirth of Cultural Heritage*, ed. Lorenzo Kamel (New York: Peter Lang, 2020), 45–77.
33. Maamoun Abdulkarim, "Challenges Facing Cultural Institutions in Times of Conflict: Syrian Cultural Heritage," in *Post-trauma Reconstruction: Vol. 2, Proceedings Appendices*, Colloquium at ICOMOS Headquarters, Charenton-le-Pont, France, 4 March 2016 (Paris: ICOMOS, 2016), 9–11; and Laura Kurgan, "Conflict Urbanism, Aleppo: Mapping Urban Damage," *Architectural Design* 87, no. 1 (2017): 72–77. Several assessments have been carried out concerning damage to the historical areas of Aleppo. The UNESCO and UNITAR 2018 survey covers the area inscribed in the World Heritage List and is based on satellite data. The Aga Khan Trust for Culture 2018 assessment covers the three main historical areas and is based on drone and field analysis.
34. Ross Burns, "Weaponizing Monuments," *International Review of the Red Cross* 99, no. 906 (2017): 937–57; and Rim Lababidi, "The Old City of Aleppo: Situation Analysis," *e-Dialogos: Annual Digital Journal of Research in Conservation and Cultural Heritage* 6 (June 2017): 8–19.
35. Victor Gervais and Saskia van Genugten, eds., *Stabilising the Contemporary Middle East and North Africa: Regional Actors and New Approaches* (London: Palgrave Macmillan, 2020).
36. Directorate General for Antiquities and Museums (DGAM), *The Intervention Plan for Aleppo Ancient City* (Damascus: DGAM, 2018); and DGAM, *State Party Report on the State of Conservation of the Syrian Cultural Heritage Sites* (Damascus: DGAM, 2019), report presented to the 42nd Session of the World Heritage Committee, Baku, Azerbaijan, 2018.
37. As of early 2020, more than 11.1 million people in Syria were still in need of humanitarian assistance, 6.2 million were internally displaced, and an additional 5.6 million had registered with the UNHCR as refugees in nearby countries. See Council on Foreign Relations, "Global Conflict Tracker: Civil War in Syria," 9 April 2021; and Carmit Valensi and Itamar Rabinovich, *Syrian Requiem: The Civil War and Its Aftermath* (Princeton, NJ: Princeton University Press, 2021).
38. Leila Amineddoleh, "The Legal Tools Used before and during Conflict to Avoid Destruction of Cultural Heritage," *Future Anterior* 14, no. 1 (2017): 37–48.
39. Silvia Perini and Emma Cunliffe, *Toward a Protection of Syrian Cultural Heritage* (Girona, Spain: Heritage for Peace, 2014).

40. Directorate-General for Education, Youth, Sport and Culture of the European Commission, “Emergency Safeguarding of the Syrian Cultural Heritage,” in *Mapping of Cultural Heritage Actions in European Union Policies, Programmes and Activities* (Brussels: European Commission, August 2017), 33.
41. An important awareness-raising initiative, named #Unite4Heritage, was launched in 2015 by the director-general of UNESCO to promote the involvement of civil society in the protection of heritage and the fight against its deliberate destruction by violent extremist groups. That year, UNESCO’s General Conference—the biannual meeting of the organization’s member states—adopted the “Strategy for the Reinforcement of UNESCO’s Action for the Protection of Culture and the Promotion of Cultural Pluralism in the Event of Armed Conflict.” An emergency fund was established to support the strategy.